

Schema documentation for quizTime.xsd

8 november 2009

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Namespace: ""

Schemas

Main schema quizTime.xsd

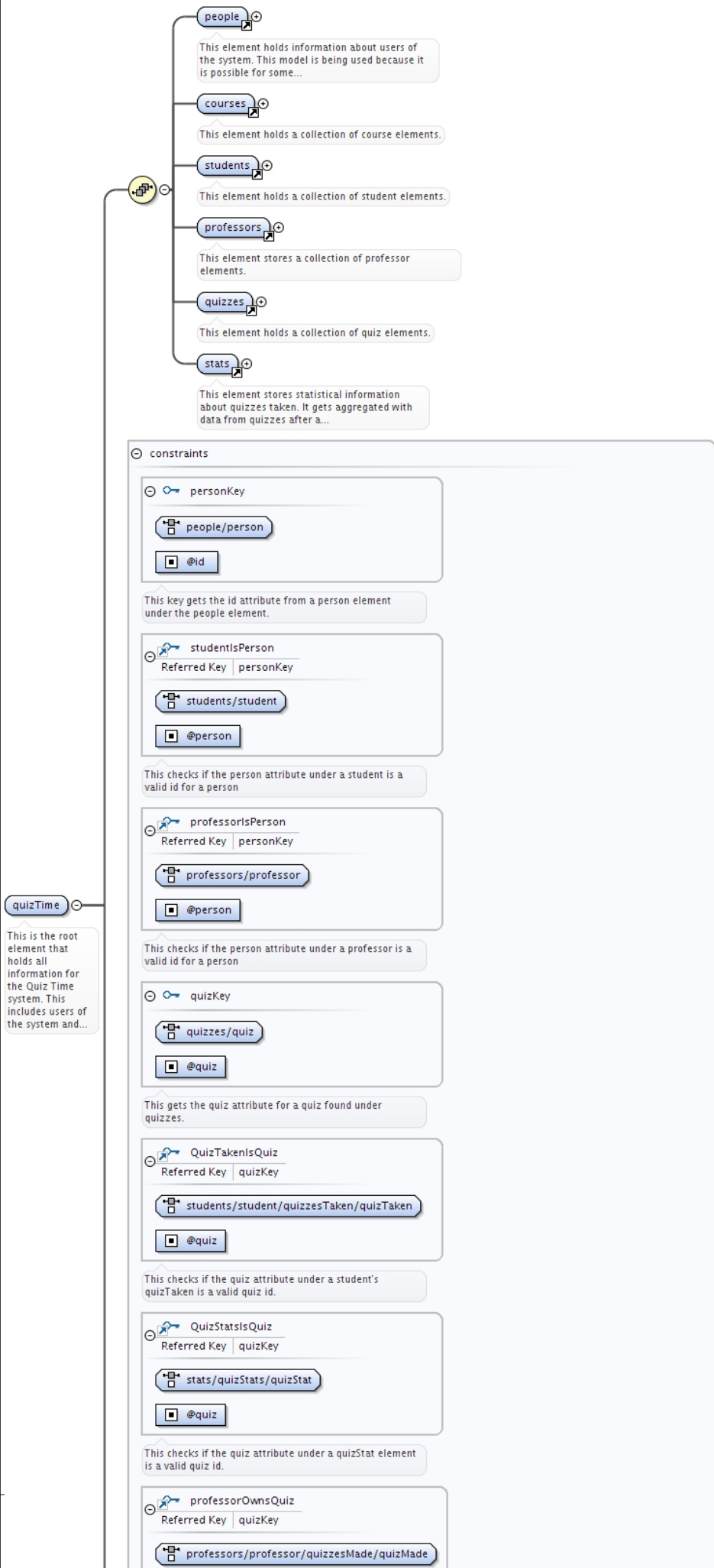
| | |
|-----------------|-----------------------------------------------------------------|
| Namespace | No namespace |
| Properties | attribute form default: unqualified |
| | element form default: qualified |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Elements

Element quizTime

| | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This is the root element that holds all information for the Quiz Time system. This includes users of the system and exams/quizzes themselves. |

Diagram



| | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties | content: complex |
| Model | people , courses , students , professors , quizzes , stats |
| Children | courses, people, professors, quizzes, stats, students |
| Instance | <pre> <quizTime> <people>{1,1}</people> <courses>{1,1}</courses> <students>{1,1}</students> <professors>{1,1}</professors> <quizzes>{1,1}</quizzes> <stats>{1,1}</stats> </quizTime> </pre> |
| Source | <pre> <xs:element name="quizTime"> <xs:annotation> <xs:documentation>This is the root element that holds all information for the Quiz Time system. This includes users of the system and exams/quizzes themselves.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="people" minOccurs="1" maxOccurs="1"/> <xs:element ref="courses" minOccurs="1" maxOccurs="1"/> <xs:element ref="students" minOccurs="1" maxOccurs="1"/> <xs:element ref="professors" minOccurs="1" maxOccurs="1"/> <xs:element ref="quizzes" minOccurs="1" maxOccurs="1"/> <xs:element ref="stats" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> <!-- ##### --> <!-- Keys/Refs --> <!-- ##### --> <xs:key name="personKey"> <xs:annotation> <xs:documentation>This key gets the id attribute from a person element under the people element.</xs:documentation> </xs:annotation> <xs:selector xpath="people/person"/> <xs:field xpath="@id"/> </xs:key> <xs:keyref refer="personKey" name="studentIsPerson"> <xs:annotation> <xs:documentation>This checks if the person attribute under a student is a valid id for a person</xs:documentation> </xs:annotation> <xs:selector xpath="students/student"/> <xs:field xpath="@person"/> </xs:keyref> <xs:keyref refer="personKey" name="professorIsPerson"> <xs:annotation> <xs:documentation>This checks if the person attribute under a professor is a valid id for a person</xs:documentation> </xs:annotation> <xs:selector xpath="professors/professor"/> <xs:field xpath="@person"/> </xs:keyref> <xs:key name="quizKey"> <xs:annotation> <xs:documentation>This gets the quiz attribute for a quiz found under quizzes.</xs:documentation> </xs:annotation> <xs:selector xpath="quizzes/quiz"/> <xs:field xpath="@quiz"/> </xs:key> <xs:keyref refer="quizKey" name="QuizTakenIsQuiz"> <xs:annotation> <xs:documentation>This checks if the quiz attribute under a student's quizTaken is a valid quiz id.</xs:documentation> </xs:annotation> <xs:selector xpath="students/student/quizzesTaken/quizTaken"/> <xs:field xpath="@quiz"/> </xs:keyref> <xs:keyref refer="quizKey" name="QuizStatsIsQuiz"> <xs:annotation> <xs:documentation>This checks if the quiz attribute under a quizStat element is a valid quiz </pre> |

```

        id.</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="stats/quizStats/quizStat"/>
    <xs:field xpath="@quiz"/>
</xs:keyref>
<xs:keyref refer="quizKey" name="professorOwnsQuiz">
    <xs:annotation>
        <xs:documentation>This checks if the quiz attribute under a professors quizMade is a
        valid
            quiz id.</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="professors/professor/quizzesMade/quizMade"/>
    <xs:field xpath="@quiz"/>
</xs:keyref>
<xs:key name="questionChoiceKey">
    <xs:annotation>
        <xs:documentation>This gets the choiceLetter attribute from a multiple choice or
        true/false
            question</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="quizzes/quiz/questions/MCQuestion/mcChoice|quizzes/quiz/questions/
    TFQuestion/mcChoice"/>
    <xs:field xpath="@choiceLetter"/>
</xs:key>
<xs:keyref refer="questionChoiceKey" name="answerIsChoice">
    <xs:annotation>
        <xs:documentation>This checks if the answerID attribute for a multiple choice or
        true/false
            question is a valid choice.</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="quizzes/quiz/questions/MCQuestion/answer|quizzes/quiz/questions/
    TFQuestion/answer"/>
    <xs:field xpath="@answerID"/>
</xs:keyref>
<xs:key name="courseNoKey">
    <xs:annotation>
        <xs:documentation>This gets the courseNo attribute from a course under courses.</
    xs:documentation>
    </xs:annotation>
    <xs:selector xpath="courses/course"/>
    <xs:field xpath="@courseNo"/>
</xs:key>
<xs:keyref refer="courseNoKey" name="studentCourseIsCourse">
    <xs:annotation>
        <xs:documentation>This checks if the courseNo attribute under a student's class
        element is
            a valid courseNo from courses</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="students/student/classes/class"/>
    <xs:field xpath="@courseNo"/>
</xs:keyref>
<xs:keyref refer="courseNoKey" name="professorCourseIsCourse">
    <xs:annotation>
        <xs:documentation>This checks if the courseNo attribute under a professor's class
        element is
            a valid courseNo from courses</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="professors/professor/classes/class"/>
    <xs:field xpath="@courseNo"/>
</xs:keyref>
<xs:keyref refer="courseNoKey" name="quizCourseIsCourse">
    <xs:annotation>
        <xs:documentation>This checks if the courseNo attribute under a quiz is a valid
        courseNo
            from courses</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="quizzes/quiz"/>
    <xs:field xpath="@courseNo"/>
</xs:keyref>
<!-- ##### -->
<!-- Uniques -->
<!-- ##### -->
<xs:unique name="personUsername">
    <xs:annotation>
        <xs:documentation>This insures that every username for users of the system is
        unique.</xs:documentation>
    </xs:annotation>
    <xs:selector xpath="people/person/username"/>
    <xs:field xpath="."/>
</xs:unique>
</xs:element>

```

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|-----------------|-----------------------------------------------------------------|
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |
|-----------------|-----------------------------------------------------------------|

Element people

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds information about users of the system. This model is being used because it is possible for some users to teach courses and also be students in other courses. |
| Diagram | |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | person+ |
| Children | person |
| Instance | <pre><people> <person admin="" id="">{1,unbounded}</person> </people></pre> |
| Source | <pre><xs:element name="people"> <xs:annotation> <xs:documentation>This element holds information about users of the system. This model is being used because it is possible for some users to teach courses and also be students in other courses.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="person"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element person

| | |
|-------------|-------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds information for a specific user of the system. See the parent element, people, for more information. |
| Diagram | |
| Properties | content: complex |
| Used by | Element people |
| Model | name , username , password |

| | | | | | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------|----------------|------------|
| Children | name, password, username | | | | |
| Instance | <pre><person admin="" id=""> <name>{1,1}</name> <username>{1,1}</username> <password>{1,1}</password> </person></pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | admin | xs:boolean | | | optional |
| | | This is an attribute that flags a user as an administrator or not | | | |
| | id | xs:integer | | | required |
| | This is an identifier attribute for each user of the system | | | | |
| Source | <pre><xs:element name="person"> <xs:annotation> <xs:documentation>This element holds information for a specific user of the system. See the parent element, people, for more information.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="name" minOccurs="1" maxOccurs="1"/> <xs:element ref="username" minOccurs="1" maxOccurs="1"/> <xs:element ref="password" minOccurs="1" maxOccurs="1"/> </xs:sequence> <xs:attributeGroup ref="personAtts"/> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element name

| | | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Namespace | No namespace | |
| Annotations | This element holds a specific user's first, middle, and last name. | |
| Diagram | | |
| Properties | content: | complex |
| Used by | Element | person |
| Model | firstName , middle{1,5} , lastName | |
| Children | firstName, lastName, middle | |
| Instance | <pre><name> <firstName>{1,1}</firstName> <middle>{1,5}</middle> <lastName>{1,1}</lastName> </name></pre> | |
| Source | <pre><xs:element name="name"> <xs:annotation> <xs:documentation>This element holds a specific user's first, middle, and last name.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="firstName" minOccurs="1" maxOccurs="1"/> <xs:element ref="middle" minOccurs="1" maxOccurs="5"/> <xs:element ref="lastName" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre> | |

| | |
|-----------------|-----------------------------------------------------------------|
| | </xs:element> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element firstName

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element represents the first name of a person. |
| Diagram | |
| Type | xs:NCName |
| Properties | content: simple |
| Used by | Element name |
| Source | <pre><xs:element name="firstName" type="xs:NCName"> <xs:annotation> <xs:documentation>This element represents the first name of a person.</ xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element middle

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element represents the middle name(s) of a person. |
| Diagram | |
| Type | xs:string |
| Properties | content: simple |
| Used by | Element name |
| Source | <pre><xs:element name="middle" type="xs:string"> <xs:annotation> <xs:documentation>This element represents the middle name(s) of a person.</ xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element lastName

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element represents the last name of a person. |
| Diagram | |
| Type | xs:NCName |
| Properties | content: simple |
| Used by | Element name |
| Source | <pre><xs:element name="lastName" type="xs:NCName"> <xs:annotation> <xs:documentation>This element represents the last name of a person.</ xs:documentation> </xs:annotation> </xs:element></pre> |

| | |
|-----------------|-----------------------------------------------------------------|
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |
|-----------------|-----------------------------------------------------------------|

Element username

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores a username for a person who has access to the system. |
| Diagram | |
| Type | xs:string |
| Properties | content: simple |
| Used by | Element person |
| Source | <pre><xs:element name="username" type="xs:string"> <xs:annotation> <xs:documentation>This element stores a username for a person who has access to the system.</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element password

| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores an MD5 hashed password for a person who has access to the system. |
| Diagram | |
| Type | xs:string |
| Properties | content: simple |
| Used by | Element person |
| Source | <pre><xs:element name="password" type="xs:string"> <xs:annotation> <xs:documentation>This element stores an MD5 hashed password for a person who has access to the system.</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element courses

| | |
|-------------|--------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds a collection of course elements. |
| Diagram | |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | course+ |
| Children | course |
| Instance | <pre><courses> <course courseNo=" ">{1,unbounded}</course></pre> |

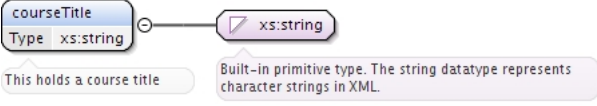
| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | </courses> |
| Source | <pre><xs:element name="courses"> <xs:annotation> <xs:documentation>This element holds a collection of course elements.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="course" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element course

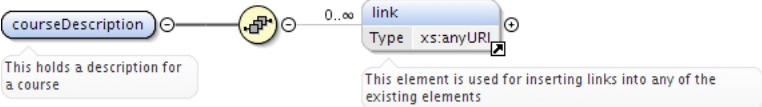
| | | | | | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This element holds information about a specific course that quizzes can be given under. | | | | |
| Diagram | <p>The diagram shows the structure of the <code>course</code> element. It is a complex element with the following components:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> <code>courseNo</code>: Type restriction of <code>'xs:string'</code>. Description: "This attribute defines a course number in the format '0000-000-00' where the 0s are any digits." Children: <ul style="list-style-type: none"> <code>courseTitle</code>: Type <code>xs:string</code>. Description: "This holds a course title" <code>courseDescription</code>: Type <code>xs:string</code>. Description: "This holds a description for a course" <code>link</code>: Type <code>xs:anyURI</code>. Description: "This element is used for inserting links into any of the existing elements" | | | | |
| Properties | content: | complex | | | |
| | mixed: | false | | | |
| Used by | Element | courses | | | |
| Model | courseTitle , courseDescription , link{0,1} | | | | |
| Children | courseDescription, courseTitle, link | | | | |
| Instance | <pre><course courseNo=" "> <courseTitle>{1,1}</courseTitle> <courseDescription>{1,1}</courseDescription> <link>{0,1}</link> </course></pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | <code>courseNo</code> | restriction of xs:string | | | required |
| | | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. | | | |
| Source | <pre><xs:element name="course"> <xs:annotation> <xs:documentation>This element holds information about a specific course that quizzes can be given under.</xs:documentation> </xs:annotation> <xs:complexType mixed="false"> <xs:sequence> <xs:element ref="courseTitle" minOccurs="1" maxOccurs="1"/> <xs:element ref="courseDescription" minOccurs="1" maxOccurs="1"/> <xs:element ref="link" minOccurs="0" maxOccurs="1"/> </xs:sequence> <xs:attribute ref="courseNo" use="required"/> </xs:complexType> </xs:element></pre> | | | | |

| | |
|-----------------|-----------------------------------------------------------------|
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |
|-----------------|-----------------------------------------------------------------|

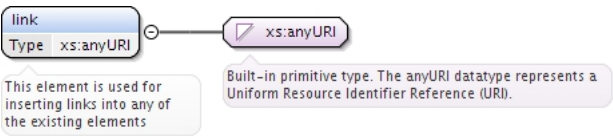
Element courseTitle

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This holds a course title |
| Diagram |  |
| Type | xs:string |
| Properties | content: simple |
| Used by | Element course |
| Source | <pre><xs:element name="courseTitle" type="xs:string"> <xs:annotation> <xs:documentation>This holds a course title</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element courseDescription

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This holds a description for a course |
| Diagram |  |
| Properties | content: complex mixed: true |
| Used by | Element course |
| Model | link* |
| Children | link |
| Instance | <pre><courseDescription> <link>{0,unbounded}</link> </courseDescription></pre> |
| Source | <pre><xs:element name="courseDescription"> <xs:annotation> <xs:documentation>This holds a description for a course</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element link

| | |
|-------------|--------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element is used for inserting links into any of the existing elements |
| Diagram |  |
| Type | xs:anyURI |
| Properties | content: simple |

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by | Elements EssayQuestion, MCQuestion, TFQuestion, answer, class, course, courseDescription, mcChoice, notes, question, quiz, quizMade, quizStat |
| Source | <pre><xs:element name="link" type="xs:anyURI"> <xs:annotation> <xs:documentation>This element is used for inserting links into any of the existing elements</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element students

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds a collection of student elements. |
| Diagram | |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | student+ |
| Children | student |
| Instance | <pre><students> <student person="">{1,unbounded}</student> </students></pre> |
| Source | <pre><xs:element name="students"> <xs:annotation> <xs:documentation>This element holds a collection of student elements.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="student"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element student

| | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds information specific to a student in the system. It links to a person element through the "person" attribute and then holds information specific to this user as a student of the system. |
| Diagram | |
| Properties | content: complex |
| Used by | Element students |

| | | | | | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------|----------------|------------|
| Model | classes*, quizzesTaken | | | | |
| Children | classes, quizzesTaken | | | | |
| Instance | <pre><student person=""> <classes>{0,unbounded}</classes> <quizzesTaken>{1,1}</quizzesTaken> </student></pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | person | xs:integer | | | required |
| | | This attribute is used to link a student or professor to a specific person in the system. | | | |
| Source | <pre><xs:element name="student"> <xs:annotation> <xs:documentation>This element holds information specific to a student in the system. It links to a person element through the "person" attribute and then holds information specific to this user as a student of the system.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="classes" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="quizzesTaken" minOccurs="1" maxOccurs="1"/> </xs:sequence> <!-- @person is keyref'ed to @id in person --> <xs:attribute ref="person" use="required"/> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element classes

| | | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Namespace | No namespace | |
| Annotations | This element is a container for other class elements that a professor may or may not have. | |
| Diagram | <pre>classDiagram classes "1..∞" -- "1" class class class { courseNo }</pre> <p>This element is a container for other class elements that a professor may or may not have.</p> <p>This element stores a course number as an attribute and then plain text (which is assumed to be the name of the course)...</p> | |
| Properties | content: | complex |
| Used by | Elements | professor, student |
| Model | class+ | |
| Children | class | |
| Instance | <pre><classes> <class courseNo="">{1,unbounded}</class> </classes></pre> | |
| Source | <pre><xs:element name="classes"> <xs:annotation> <xs:documentation>This element is a container for other class elements that a professor may or may not have.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="class" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre> | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | |

Element class

| | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores a course number as an attribute and then plain text (which is assumed to be the name of the course) for a specific class. |

| | | | | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|----------------|------------|
| Diagram | | | | | |
| Properties | content: | complex | | | |
| | mixed: | true | | | |
| Used by | Element | classes | | | |
| Model | link* | | | | |
| Children | link | | | | |
| Instance | <pre><class courseNo=" " > <link>{0,unbounded}</link> </class></pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | courseNo | restriction of xs:string | | | required |
| | | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. | | | |
| Source | <pre><xs:element name="class"> <xs:annotation> <xs:documentation>This element stores a course number as an attribute and then plain text (which is assumed to be the name of the course) for a specific class.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute ref="courseNo" use="required"/> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element quizzesTaken

| | | | | | |
|-------------|--------------------------------------------------------------------------------------------------------------------|---------|--|--|--|
| Namespace | No namespace | | | | |
| Annotations | This element stores information about quizzes a student in the system has taken. | | | | |
| Diagram | | | | | |
| Properties | content: | complex | | | |
| Used by | Element | student | | | |
| Model | quizTaken* | | | | |
| Children | quizTaken | | | | |
| Instance | <pre><quizzesTaken> <quizTaken quiz=" " >{0,unbounded}</quizTaken> </quizzesTaken></pre> | | | | |
| Source | <pre><xs:element name="quizzesTaken"> <xs:annotation></pre> | | | | |

| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> <xs:documentation>This element stores information about quizzes a student in the system has taken.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="quizTaken" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quizTaken

| | | | | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This element stores information about a specific quiz a student has taken. | | | | |
| Diagram | | | | | |
| Properties | content: | complex | | | |
| Used by | Element | quizzesTaken | | | |
| Model | answer* | | | | |
| Children | answer | | | | |
| Instance | <pre> <quizTaken quiz=""> <answer essay="" question="">{0,unbounded}</answer> </quizTaken> </pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | quiz | xs:integer | | | required |
| | This is used to link an element to a specific quiz | | | | |
| Source | <pre> <xs:element name="quizTaken"> <xs:annotation> <xs:documentation>This element stores information about a specific quiz a student has taken.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" ref="answer" /> </xs:sequence> <!-- @quiz is keyref'ed to @quiz in quizzes/quiz--> <xs:attribute ref="quiz" use="required" /> </xs:complexType> </xs:element> </pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element answer

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the correct answer). |

| | | | | | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------|----------------|------------|
| Diagram | | | | | |
| Properties | content: | complex | | | |
| | mixed: | true | | | |
| Used by | Elements | EssayQuestion, MCQuestion, TFQuestion, quizStat, quizTaken | | | |
| Model | | link* | | | |
| Children | | link | | | |
| Instance | | <pre><answer essay=" " question=" " > <link>{0,unbounded}</link> </answer></pre> | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | essay | xs:boolean | | | optional |
| | | This determines if an answer should be an essay format answer | | | |
| | question | xs:integer | | | required |
| | | This links an element to a specific question element | | | |
| Source | <pre><xs:element name="answer"> <xs:annotation> <xs:documentation>This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the correct answer).</ </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute ref="question" use="required"/> <xs:attribute ref="essay" use="optional"/> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element professors

| | |
|-------------|------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores a collection of professor elements. |
| Diagram | |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | professor+ |
| Children | professor |
| Instance | <pre><professors> <professor person=" " >{1,unbounded}</professor> </professors></pre> |

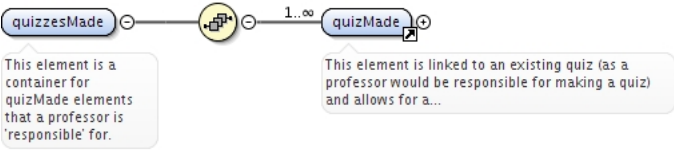
| | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source | <pre><xs:element name="professors"> <xs:annotation> <xs:documentation>This element stores a collection of professor elements.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" ref="professor"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element professor

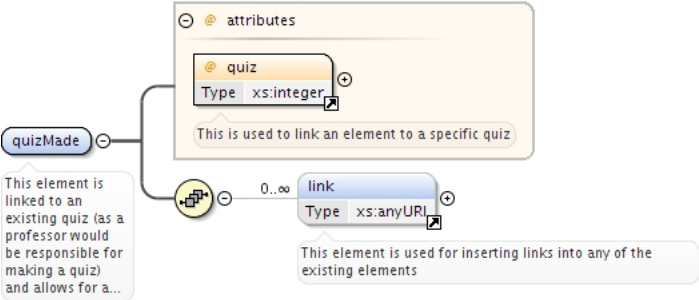
| Namespace | No namespace | | | | | | | | | | | | | | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|----------|---------|-----|--------|------------|--|--|----------|--------------------------------------------------------------------------------------------------|--|--|--|
| Annotations | This element stores information about a specific professor. It links to a person element through the "person" attribute so that additional information about being a professor can be linked through a user. | | | | | | | | | | | | | | |
| Diagram | | | | | | | | | | | | | | | |
| Properties | content: | complex | | | | | | | | | | | | | |
| Used by | Element | professors | | | | | | | | | | | | | |
| Model | classes{0,1} , quizzesMade{0,1} | | | | | | | | | | | | | | |
| Children | classes, quizzesMade | | | | | | | | | | | | | | |
| Instance | <pre><professor person=""> <classes>{0,1}</classes> <quizzesMade>{0,1}</quizzesMade> </professor></pre> | | | | | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>person</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | person | xs:integer | | | required | <p>This attribute is used to link a student or professor to a specific person in the system.</p> | | | |
| QName | Type | Fixed | Default | Use | | | | | | | | | | | |
| person | xs:integer | | | required | | | | | | | | | | | |
| Source | <pre><xs:element name="professor"> <xs:annotation> <xs:documentation>This element stores information about a specific professor. It links to a person element through the "person" attribute so that additional information about being a professor can be linked through a user.</xs:documentation> </xs:annotation> <xs:complexType> <!-- @person is keyref'ed to a person element --> <xs:sequence> <xs:element ref="classes" minOccurs="0" maxOccurs="1"/> <xs:element ref="quizzesMade" minOccurs="0" maxOccurs="1"/> </xs:sequence> <xs:attribute ref="person" use="required"/> </xs:complexType> </xs:element></pre> | | | | | | | | | | | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | | | | | | | | | | | |

Element quizzesMade

| | |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

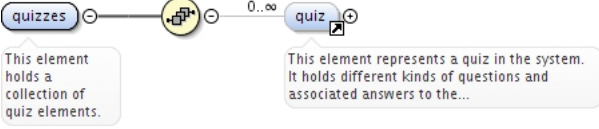
| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | This element is a container for quizMade elements that a professor is 'responsible' for. |
| Diagram |  |
| Properties | content: complex |
| Used by | Element professor |
| Model | quizzesMade+ |
| Children | quizMade |
| Instance | <pre><quizzesMade> <quizMade quiz="">{1,unbounded}</quizMade> </quizzesMade></pre> |
| Source | <pre><xs:element name="quizzesMade"> <xs:annotation> <xs:documentation>This element is a container for quizMade elements that a professor is 'responsible' for.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="quizMade" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quizMade

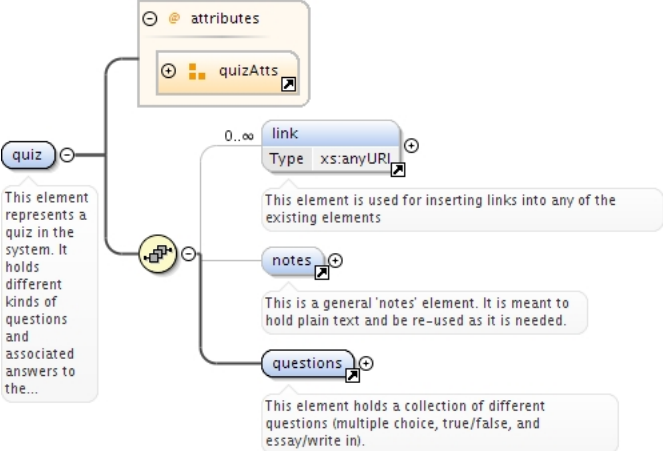
| Namespace | No namespace | | | | | | | | | | | | | | | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|----------|---------|-----|------|------------|--|--|----------|----------------------------------------------------|--|--|--|--|
| Annotations | This element is linked to an existing quiz (as a professor would be responsible for making a quiz) and allows for a professor to put his/her own notes about the quiz as plain text. | | | | | | | | | | | | | | | |
| Diagram |  | | | | | | | | | | | | | | | |
| Properties | content: complex mixed: true | | | | | | | | | | | | | | | |
| Used by | Element quizzesMade | | | | | | | | | | | | | | | |
| Model | link* | | | | | | | | | | | | | | | |
| Children | link | | | | | | | | | | | | | | | |
| Instance | <pre><quizMade quiz=""> <link>{0,unbounded}</link> </quizMade></pre> | | | | | | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>quiz</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td colspan="5">This is used to link an element to a specific quiz</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | quiz | xs:integer | | | required | This is used to link an element to a specific quiz | | | | |
| QName | Type | Fixed | Default | Use | | | | | | | | | | | | |
| quiz | xs:integer | | | required | | | | | | | | | | | | |
| This is used to link an element to a specific quiz | | | | | | | | | | | | | | | | |
| Source | <pre><xs:element name="quizMade"> <xs:annotation> <xs:documentation>This element is linked to an existing quiz (as a professor would be responsible for making a quiz) and allows for a professor to put his/her own notes about the</pre> | | | | | | | | | | | | | | | |

| | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> quiz as plain text.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute ref="quiz" use="required"/> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quizzes

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds a collection of quiz elements. |
| Diagram |  |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | quiz* |
| Children | quiz |
| Instance | <pre> <quizzes> <quiz courseNo=" " created=" " end=" " modified=" " quiz=" " start=" "{0,unbounded}</quiz> </quizzes> </pre> |
| Source | <pre> <xs:element name="quizzes"> <xs:annotation> <xs:documentation>This element holds a collection of quiz elements.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="quiz" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quiz

| | |
|-------------|------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element represents a quiz in the system. It holds different kinds of questions and associated answers to the questions. |
| Diagram |  |
| Properties | content: complex |
| Used by | Element quizzes |
| Model | link*, notes{0,1} , questions |

| Children | link, notes, questions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------|----------|----------|-----|----------|--------------------------|--|--|----------|--|-------------------------------------------------------------------------------------------------|--|--|--|---------|-------------|--|--|----------|--|---------------------------------------------------------------------------------|--|--|--|-----|-------------|--|--|----------|--|------------------------------------------------------------------|--|--|--|----------|-------------|--|--|----------|--|----------------------------------------------------------------------------------|--|--|--|------|------------|--|--|----------|--|----------------------------------------------------|--|--|--|-------|-------------|--|--|----------|--|---------------------------------------------------------------|--|--|--|
| Instance | <pre><quiz courseNo="" created="" end="" modified="" quiz="" start=""> <link>{0,unbounded}</link> <notes>{0,1}</notes> <questions>{1,1}</questions> </quiz></pre> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>courseNo</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">This attribute defines a course number in the format "0000-000-00" where the 0s are any digits.</td> </tr> <tr> <td>created</td> <td>xs:dateTime</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">This attribute defines when an object in the system is created (such as a quiz)</td> </tr> <tr> <td>end</td> <td>xs:dateTime</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">This attribute defines when a quiz ends (for student completion)</td> </tr> <tr> <td>modified</td> <td>xs:dateTime</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">This attribute defines when an object in the system is modified (such as a quiz)</td> </tr> <tr> <td>quiz</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">This is used to link an element to a specific quiz</td> </tr> <tr> <td>start</td> <td>xs:dateTime</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">This attribute defines when a quiz can be started by students</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | courseNo | restriction of xs:string | | | optional | | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. | | | | created | xs:dateTime | | | required | | This attribute defines when an object in the system is created (such as a quiz) | | | | end | xs:dateTime | | | optional | | This attribute defines when a quiz ends (for student completion) | | | | modified | xs:dateTime | | | required | | This attribute defines when an object in the system is modified (such as a quiz) | | | | quiz | xs:integer | | | required | | This is used to link an element to a specific quiz | | | | start | xs:dateTime | | | optional | | This attribute defines when a quiz can be started by students | | | |
| | QName | Type | Fixed | Default | Use | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | courseNo | restriction of xs:string | | | optional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | created | xs:dateTime | | | required | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | This attribute defines when an object in the system is created (such as a quiz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | end | xs:dateTime | | | optional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | This attribute defines when a quiz ends (for student completion) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | modified | xs:dateTime | | | required | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | This attribute defines when an object in the system is modified (such as a quiz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | quiz | xs:integer | | | required | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | This is used to link an element to a specific quiz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| start | xs:dateTime | | | optional | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | This attribute defines when a quiz can be started by students | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source | <pre><xs:element name="quiz"> <xs:annotation> <xs:documentation>This element represents a quiz in the system. It holds different kinds of questions and associated answers to the questions.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="link" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="notes" minOccurs="0" maxOccurs="1"/> <xs:element ref="questions" minOccurs="1" maxOccurs="1"/> </xs:sequence> <xs:attributeGroup ref="quizAtts"/> </xs:complexType> </xs:element></pre> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Element notes

| | | | | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------|------|
| Namespace | No namespace | | | | |
| Annotations | This is a general 'notes' element. It is meant to hold plain text and be re-used as it is needed. | | | | |
| Diagram | <p>This is a general 'notes' element. It is meant to hold plain text and be re-used as it is needed.</p> <p>link Type: xs:anyURI This element is used for inserting links into any of the existing elements</p> <p>image This element will support images for the quiz system.</p> | | | | |
| Properties | <table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>mixed:</td> <td>true</td> </tr> </table> | content: | complex | mixed: | true |
| content: | complex | | | | |
| mixed: | true | | | | |
| Used by | Element: quiz | | | | |
| Model | (link* image*) | | | | |

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children | image, link |
| Instance | <pre><notes> <link>{0,unbounded}</link> <image alt="" height="" src="" width="">{0,unbounded}</image> </notes></pre> |
| Source | <pre><xs:element name="notes"> <xs:annotation> <xs:documentation>This is a general 'notes' element. It is meant to hold plain text and be re-used as it is needed.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded" /> <xs:element ref="image" minOccurs="0" maxOccurs="unbounded" /> </xs:choice> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element image

| | | | | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This element will support images for the quiz system. | | | | |
| Diagram | <p>The diagram shows a blue oval labeled 'image' with a small circle next to it. A line connects it to a larger yellow box labeled 'attributes'. Inside the 'attributes' box is a smaller yellow box labeled 'imageAtts' with a small square icon next to it. A tooltip points to the 'image' element with the text: 'This element will support images for the quiz system.'</p> | | | | |
| Properties | content: | complex | | | |
| Used by | Elements | EssayQuestion, MCQuestion, TFQuestion, mcChoice, notes, question, quizStat | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | alt | xs:string | | | optional |
| | height | xs:string | | | optional |
| | src | xs:string | | | required |
| | width | xs:string | | | optional |
| Source | <pre><xs:element name="image"> <xs:annotation> <xs:documentation>This element will support images for the quiz system.</ </xs:documentation> <xs:complexType> <xs:attributeGroup ref="imageAtts" /> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element questions

| | |
|-------------|-----------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds a collection of different questions (multiple choice, true/false, and essay/write in). |

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram | <p>This element holds a collection of different questions (multiple choice, true/false, and essay/write in).</p> <ul style="list-style-type: none"> MCQuestion (0..∞): This element holds information pertaining to a multiple choice question. TFQuestion (0..∞): This element holds information pertaining to a true/false question. EssayQuestion (0..∞): This element holds information pertaining to an essay-based/write-in question. |
| Properties | content: complex |
| Used by | Element quiz |
| Model | MCQuestion*, TFQuestion*, EssayQuestion* |
| Children | EssayQuestion, MCQuestion, TFQuestion |
| Instance | <pre><questions> <MCQuestion questionNum=" " >{0,unbounded}</MCQuestion> <TFQuestion questionNum=" " >{0,unbounded}</TFQuestion> <EssayQuestion questionNum=" " >{0,unbounded}</EssayQuestion> </questions></pre> |
| Source | <pre><xs:element name="questions"> <xs:annotation> <xs:documentation>This element holds a collection of different questions (multiple choice, true/false, and essay/write in).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence minOccurs="1"> <xs:element ref="MCQuestion" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TFQuestion" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="EssayQuestion" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element MCQuestion

| | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element holds information pertaining to a multiple choice question. |
| Diagram | <p>This element holds information pertaining to a multiple choice question.</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> questionNum (Type: xs:integer): This attribute is used to define a question number on one of the question elements. image (0..∞): This element will support images for the quiz system. link (0..∞, Type: xs:anyURI): This element is used for inserting links into any of the existing elements. mcChoice (2..∞): This element holds information relating to a choice in a multiple choice question. answer: This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the...). |
| Properties | content: complex |
| | mixed: true |

| Used by | Element questions | | | | | | | | | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|---------|-----|-------------|------------|--|--|----------|
| Model | (image* link*), mcChoice{2,unbounded} , answer | | | | | | | | | | |
| Children | answer, image, link, mcChoice | | | | | | | | | | |
| Instance | <pre><MCQuestion questionNum=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> <mcChoice choiceLetter="">{2,unbounded}</mcChoice> <answer essay="" question="">{1,1}</answer> </MCQuestion></pre> | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>questionNum</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | questionNum | xs:integer | | | required |
| | QName | Type | Fixed | Default | Use | | | | | | |
| questionNum | xs:integer | | | required | | | | | | | |
| | This attribute is used to define a question number on one of the question elements | | | | | | | | | | |
| Source | <pre><xs:element name="MCQuestion"> <xs:annotation> <xs:documentation>This element holds information pertaining to a multiple choice question.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xs:choice> <xs:element minOccurs="2" maxOccurs="unbounded" ref="mcChoice"/> <xs:element ref="answer"/> </xs:sequence> <xs:attribute ref="questionNum" use="required"/> </xs:complexType> </xs:element></pre> | | | | | | | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | | | | | | | |

Element mcChoice

| Namespace | No namespace | | | | | | | | | | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|---------|-----|--------------|--------------------------|--|--|----------|
| Annotations | This element holds information relating to a choice in a multiple choice question. | | | | | | | | | | |
| Diagram | | | | | | | | | | | |
| Properties | <table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>mixed:</td> <td>true</td> </tr> </table> | content: | complex | mixed: | true | | | | | | |
| content: | complex | | | | | | | | | | |
| mixed: | true | | | | | | | | | | |
| Used by | Elements MCQuestion, TFQuestion | | | | | | | | | | |
| Model | (image* link*) | | | | | | | | | | |
| Children | image, link | | | | | | | | | | |
| Instance | <pre><mcChoice choiceLetter=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> </mcChoice></pre> | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>choiceLetter</td> <td>restriction of xs:string</td> <td></td> <td></td> <td>required</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | choiceLetter | restriction of xs:string | | | required |
| | QName | Type | Fixed | Default | Use | | | | | | |
| choiceLetter | restriction of xs:string | | | required | | | | | | | |
| | | | | | | | | | | | |

| | QName | Type | Fixed | Default | Use |
|-----------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | This is an attribute used for determining the type of character to prepend a multiple choice answer with (a,b,c,d,etc.). It allows for multiple letters followed by numbers (so you could have "aa" or "a1" as choice options, as well). This was decided for questions that have the potential to have alot of answers. This syntax also supports the use of true or false. |
| Source | | <pre> <xs:element name="mcChoice"> <xs:annotation> <xs:documentation>This element holds information relating to a choice in a multiple choice question.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xs:choice> </xs:sequence> <xs:attribute ref="choiceLetter" use="required"/> </xs:complexType> </xs:element> </pre> | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element TFQuestion

| | | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Namespace | No namespace | |
| Annotations | This element holds information pertaining to a true/false question. | |
| Diagram | <pre> graph TD TFQuestion[TFQuestion] --- questionNum[questionNum] TFQuestion --- image[image] TFQuestion --- link[link] TFQuestion --- mcChoice[mcChoice] TFQuestion --- answer[answer] </pre> | |
| Properties | content: | complex |
| | mixed: | true |
| Used by | Element | questions |
| Model | (image* link*), mcChoice{2,2} , answer | |
| Children | answer, image, link, mcChoice | |
| Instance | <pre> <TFQuestion questionNum=" "> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> <mcChoice choiceLetter="">{2,2}</mcChoice> <answer essay="" question="">{1,1}</answer> </TFQuestion> </pre> | |

| | | | | | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|----------------|------------|
| Attributes | QName | Type | Fixed | Default | Use |
| | questionNum | xs:integer | | | required |
| | | This attribute is used to define a question number on one of the question elements | | | |
| Source | <pre><xs:element name="TFQuestion"> <xs:annotation> <xs:documentation>This element holds information pertaining to a true/false question.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xs:choice> <xs:element minOccurs="2" maxOccurs="2" ref="mcChoice"/> <xs:element ref="answer"/> </xs:sequence> <xs:attribute ref="questionNum" use="required"/> </xs:complexType> </xs:element></pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Element EssayQuestion

| | | | | | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This element holds information pertain to a essay-based/write-in question. | | | | |
| Diagram | | | | | |
| Properties | content: | complex | | | |
| | mixed: | true | | | |
| Used by | Element | questions | | | |
| Model | (image* link*), answer | | | | |
| Children | answer, image, link | | | | |
| Instance | <pre><EssayQuestion questionNum=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> <answer essay="" question="">{1,1}</answer> </EssayQuestion></pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | questionNum | xs:integer | | | required |
| | | This attribute is used to define a question number on one of the question elements | | | |
| Source | <pre><xs:element name="EssayQuestion"> <xs:annotation></pre> | | | | |

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> <xs:documentation>This element holds information pertain to a essay-based/write-in question.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xs:choice> <xs:element ref="answer"/> </xs:sequence> <xs:attribute ref="questionNum" use="required"/> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element stats

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element stores statistical information about quizzes taken. It gets aggregated with data from quizzes after a process is run. |
| Diagram | <p>This element stores statistical information about quizzes taken. It gets aggregated with data from quizzes after a...</p> <p>This element is a container for statistical information about each quiz. Elements here are only added when a process...</p> |
| Properties | content: complex |
| Used by | Element quizTime |
| Model | quizStats |
| Children | quizStats |
| Instance | <pre> <stats> <quizStats>{1,1}</quizStats> </stats> </pre> |
| Source | <pre> <xs:element name="stats"> <xs:annotation> <xs:documentation>This element stores statistical information about quizzes taken. It gets aggregated with data from quizzes after a process is run.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="quizStats"/> </xs:sequence> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quizStats

| | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This element is a container for statistical information about each quiz. Elements here are only added when a process generates them. |
| Diagram | <p>This element is a container for statistical information about each quiz. Elements here are only added when a process...</p> <p>This element holds statistical information about a specific quiz. It allows for mixed content so that HTML (or some...) can be included.</p> |
| Properties | content: complex |
| Used by | Element stats |

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | quizStat* |
| Children | quizStat |
| Instance | <pre><quizStats> <quizStat quiz="">{0,unbounded}</quizStat> </quizStats></pre> |
| Source | <pre><xs:element name="quizStats"> <xs:annotation> <xs:documentation>This element is a container for statistical information about each quiz. Elements here are only added when a process generates them.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="quizStat" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element quizStat

| Namespace | No namespace | | | | | | | | | | | | | | | |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|---------|-----|------|------------|--|--|----------|----------------------------------------------------|--|--|--|--|
| Annotations | This element holds statistical information about a specific quiz. It allows for mixed content so that HTML (or some other data representation) content can be placed in it. | | | | | | | | | | | | | | | |
| Diagram | | | | | | | | | | | | | | | | |
| Properties | <table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>mixed:</td> <td>true</td> </tr> </table> | content: | complex | mixed: | true | | | | | | | | | | | |
| content: | complex | | | | | | | | | | | | | | | |
| mixed: | true | | | | | | | | | | | | | | | |
| Used by | <table border="1"> <tr> <td>Element</td> <td>quizStats</td> </tr> </table> | Element | quizStats | | | | | | | | | | | | | |
| Element | quizStats | | | | | | | | | | | | | | | |
| Model | (image* link* question+ answer+) | | | | | | | | | | | | | | | |
| Children | answer, image, link, question | | | | | | | | | | | | | | | |
| Instance | <pre><quizStat quiz=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> <question questionNum="">{1,unbounded}</question> <answer essay="" question="">{1,unbounded}</answer> </quizStat></pre> | | | | | | | | | | | | | | | |
| Attributes | <table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>quiz</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td colspan="5">This is used to link an element to a specific quiz</td> </tr> </tbody> </table> | QName | Type | Fixed | Default | Use | quiz | xs:integer | | | required | This is used to link an element to a specific quiz | | | | |
| QName | Type | Fixed | Default | Use | | | | | | | | | | | | |
| quiz | xs:integer | | | required | | | | | | | | | | | | |
| This is used to link an element to a specific quiz | | | | | | | | | | | | | | | | |
| Source | <pre><xs:element name="quizStat"> <xs:annotation> <xs:documentation>This element holds statistical information about a specific quiz. It allows</pre> | | | | | | | | | | | | | | | |

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> for mixed content so that HTML (or some other data representation) content can be placed in it.</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence maxOccurs="unbounded"> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="link" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="question" minOccurs="1" maxOccurs="unbounded"/> <xs:element ref="answer" minOccurs="1" maxOccurs="unbounded"/> </xs:choice> </xs:sequence> <!-- @quiz is keyref'ed to @quiz in quizzes/quiz --> <xs:attribute ref="quiz" use="required"/> </xs:complexType> </xs:element> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Element question

| | | | | | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This is a generic question element that is used for statistical reporting | | | | |
| Diagram | | | | | |
| Properties | content: | complex | | | |
| | mixed: | true | | | |
| Used by | Element | quizStat | | | |
| Model | (image* link*) | | | | |
| Children | image, link | | | | |
| Instance | <pre> <question questionNum=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> </question> </pre> | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | questionNum | xs:integer | | | required |
| | | This attribute is used to define a question number on one of the question elements | | | |
| Source | <pre> <xs:element name="question"> <xs:annotation> <xs:documentation>This is a generic question element that is used for statistical reporting</xs:documentation> </xs:annotation> <xs:complexType mixed="true"> <xs:sequence> <xs:choice maxOccurs="unbounded"> <xs:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xs:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xs:choice> </xs:sequence> <xs:attribute ref="questionNum" use="required"/> </xs:complexType> </xs:element> </pre> | | | | |

| | |
|-----------------|-----------------------------------------------------------------|
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |
|-----------------|-----------------------------------------------------------------|

Attributes

Attribute personAtts / @id

| | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This is an identifier attribute for each user of the system |
| Type | xs:integer |
| Properties | use: required |
| Used by | Attribute Group personAtts |
| Source | <pre><xs:attribute name="id" use="required" type="xs:integer"> <xs:annotation> <xs:documentation>This is an identifier attribute for each user of the system</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute personAtts / @admin

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This is an attribute that flags a user as an administrator or not |
| Type | xs:boolean |
| Properties | use: optional |
| Used by | Attribute Group personAtts |
| Source | <pre><xs:attribute name="admin" use="optional" type="xs:boolean"> <xs:annotation> <xs:documentation>This is an attribute that flags a user as an administrator or not</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @courseNo

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. |
| Type | restriction of xs:string |
| Properties | content: simple |
| Facets | pattern \d{4}-\d{3}-\d{2} |
| Used by | Elements class, course Attribute Group quizAtts |
| Source | <pre><xs:attribute name="courseNo"> <xs:annotation> <xs:documentation>This attribute defines a course number in the format "0000-000-00" where the 0s are any digits.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="\d{4}-\d{3}-\d{2}"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @question

| | |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | This links an element to a specific question element |
| Type | xs:integer |
| Properties | content: simple |
| Used by | Element answer |
| Source | <pre><xs:attribute name="question" type="xs:integer"> <xs:annotation> <xs:documentation>This links an element to a specific question element</ xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @essay

| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This determines if an answer should be an essay format answer |
| Type | xs:boolean |
| Properties | content: simple |
| Used by | Element answer |
| Source | <pre><xs:attribute name="essay" type="xs:boolean"> <xs:annotation> <xs:documentation>This determines if an answer should be an essay format answer</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @quiz

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This is used to link an element to a specific quiz |
| Type | xs:integer |
| Properties | content: simple |
| Used by | Elements quizMade, quizStat, quizTaken Attribute Group quizAtts |
| Source | <pre><xs:attribute name="quiz" type="xs:integer"> <xs:annotation> <xs:documentation>This is used to link an element to a specific quiz</ xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @person

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute is used to link a student or professor to a specific person in the system. |
| Type | xs:integer |
| Properties | content: simple |
| Used by | Elements professor, student |
| Source | <pre><xs:attribute name="person" type="xs:integer"> <xs:annotation> <xs:documentation>This attribute is used to link a student or professor to a specific person in the system.</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute imageAtts / @src

| | |
|-----------------|-----------------------------------------------------------------|
| Namespace | No namespace |
| Type | xs:string |
| Properties | use: required |
| Used by | Attribute Group imageAtts |
| Source | <xs:attribute name="src" type="xs:string" use="required"/> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute imageAtts / @alt

| | |
|-----------------|-----------------------------------------------------------------|
| Namespace | No namespace |
| Type | xs:string |
| Properties | use: optional |
| Used by | Attribute Group imageAtts |
| Source | <xs:attribute name="alt" type="xs:string" use="optional"/> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute imageAtts / @height

| | |
|-----------------|-----------------------------------------------------------------|
| Namespace | No namespace |
| Type | xs:string |
| Properties | use: optional |
| Used by | Attribute Group imageAtts |
| Source | <xs:attribute name="height" type="xs:string" use="optional"/> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute imageAtts / @width

| | |
|-----------------|-----------------------------------------------------------------|
| Namespace | No namespace |
| Type | xs:string |
| Properties | use: optional |
| Used by | Attribute Group imageAtts |
| Source | <xs:attribute name="width" type="xs:string" use="optional"/> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @choiceLetter

| | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This is an attribute used for determining the type of character to prepend a multiple choice answer with (a,b,c,d,etc.). It allows for multiple letters followed by numbers (so you could have "aa" or "a1" as choice options, as well). This was decided for questions that have the potential to have alot of answers. This syntax also supports the use of true or false. |
| Type | restriction of xs:string |
| Properties | content: simple |
| Facets | pattern [a-zA-Z]+\d* true false |
| Used by | Element mcChoice |
| Source | <xs:attribute name="choiceLetter"> <xs:annotation> <xs:documentation>This is an attribute used for determining the type of character to prepend a multiple choice answer with (a,b,c,d,etc.). It allows for multiple letters followed by numbers (so you could have "aa" or "a1" as choice options, as well). This was decided for |

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> questions that have the potential to have alot of answers. This syntax also supports the use of true or false.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z]+\d* true false" /> </xs:restriction> </xs:simpleType> </xs:attribute> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute @questionNum

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute is used to define a question number on one of the question elements |
| Type | xs:integer |
| Properties | content: simple |
| Used by | Elements EssayQuestion, MCQuestion, TFQuestion, question |
| Source | <pre> <xs:attribute name="questionNum" type="xs:integer"> <xs:annotation> <xs:documentation>This attribute is used to define a question number on one of the question elements</xs:documentation> </xs:annotation> </xs:attribute> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute quizAtts / @created

| | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute defines when an object in the system is created (such as a quiz) |
| Type | xs:dateTime |
| Properties | use: required |
| Used by | Attribute Group quizAtts |
| Source | <pre> <xs:attribute name="created" use="required" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when an object in the system is created (such as a quiz)</xs:documentation> </xs:annotation> </xs:attribute> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute quizAtts / @modified

| | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute defines when an object in the system is modified (such as a quiz) |
| Type | xs:dateTime |
| Properties | use: required |
| Used by | Attribute Group quizAtts |
| Source | <pre> <xs:attribute name="modified" use="required" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when an object in the system is modified (such as a quiz)</xs:documentation> </xs:annotation> </xs:attribute> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute quizAtts / @start

| | |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

| | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | This attribute defines when a quiz can be started by students |
| Type | xs:dateTime |
| Properties | use: optional |
| Used by | Attribute Group quizAtts |
| Source | <pre><xs:attribute name="start" use="optional" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when a quiz can be started by students</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute quizAtts / @end

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | No namespace |
| Annotations | This attribute defines when a quiz ends (for student completion) |
| Type | xs:dateTime |
| Properties | use: optional |
| Used by | Attribute Group quizAtts |
| Source | <pre><xs:attribute name="end" use="optional" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when a quiz ends (for student completion)</xs:documentation> </xs:annotation> </xs:attribute></pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute Groups

Attribute Group personAtts

| | | | | | |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Annotations | This groups the attributes used by the person element. | | | | |
| Diagram | | | | | |
| Used by | Element | person | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | admin | xs:boolean | | | optional |
| | id | xs:integer | | | required |
| Source | <pre><xs:attributeGroup name="personAtts"> <xs:annotation> <xs:documentation>This groups the attributes used by the person element.</ xs:documentation> </xs:annotation> <xs:attribute name="id" use="required" type="xs:integer"> <xs:annotation> <xs:documentation>This is an identifier attribute for each user of the system</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="admin" use="optional" type="xs:boolean"></pre> | | | | |

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <pre> <xs:annotation> <xs:documentation>This is an attribute that flags a user as an administrator or not</xs:documentation> </xs:annotation> </xs:attribute> </xs:attributeGroup> </pre> |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd |

Attribute Group imageAtts

| | | | | | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Diagram | | | | | |
| Used by | Element | image | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | alt | xs:string | | | optional |
| | height | xs:string | | | optional |
| | src | xs:string | | | required |
| | width | xs:string | | | optional |
| Source | <pre> <xs:attributeGroup name="imageAtts"> <xs:attribute name="src" type="xs:string" use="required"/> <xs:attribute name="alt" type="xs:string" use="optional"/> <xs:attribute name="height" type="xs:string" use="optional"/> <xs:attribute name="width" type="xs:string" use="optional"/> </xs:attributeGroup> </pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

Attribute Group quizAtts

| | | | | | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------|----------------|------------|
| Namespace | No namespace | | | | |
| Diagram | | | | | |
| Used by | Element | quiz | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | quiz | xs:integer | | | optional |
| | courseNo | restriction of 'xs:string' | | | optional |
| | created | xs:dateTime | | | optional |
| | modified | xs:dateTime | | | optional |
| | start | xs:dateTime | | | optional |
| | end | xs:dateTime | | | optional |
| Source | <pre> <xs:attributeGroup name="quizAtts"> <xs:attribute name="quiz" type="xs:integer" use="optional"/> <xs:attribute name="courseNo" type="restriction('xs:string', '0000-000-00') use="optional"/> <xs:attribute name="created" type="xs:dateTime" use="optional"/> <xs:attribute name="modified" type="xs:dateTime" use="optional"/> <xs:attribute name="start" type="xs:dateTime" use="optional"/> <xs:attribute name="end" type="xs:dateTime" use="optional"/> </xs:attributeGroup> </pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |

| | | | | | |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|----------------|------------|
| Used by | Element quiz | | | | |
| Attributes | QName | Type | Fixed | Default | Use |
| | courseNo | restriction of xs:string | | | optional |
| | | This attribute defines a course number in the format "0000-000-00" where the 0s are any digits. | | | |
| | created | xs:dateTime | | | required |
| | | This attribute defines when an object in the system is created (such as a quiz) | | | |
| | end | xs:dateTime | | | optional |
| | | This attribute defines when a quiz ends (for student completion) | | | |
| | modified | xs:dateTime | | | required |
| | | This attribute defines when an object in the system is modified (such as a quiz) | | | |
| | quiz | xs:integer | | | required |
| | | This is used to link an element to a specific quiz | | | |
| start | xs:dateTime | | | optional | |
| | This attribute defines when a quiz can be started by students | | | | |
| Source | <pre> <xs:attributeGroup name="quizAtts"> <xs:attribute ref="quiz" use="required"/> <xs:attribute ref="courseNo" use="optional"/> <xs:attribute name="created" use="required" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when an object in the system is created (such as a quiz)</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="modified" use="required" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when an object in the system is modified (such as a quiz)</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="start" use="optional" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when a quiz can be started by students</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="end" use="optional" type="xs:dateTime"> <xs:annotation> <xs:documentation>This attribute defines when a quiz ends (for student completion)</xs:documentation> </xs:annotation> </xs:attribute> </xs:attributeGroup> </pre> | | | | |
| Schema location | file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd | | | | |