

Schema documentation for quizTime.xsd

8 november 2009

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Namespace: ""

Schemas

Main schema **quizTime.xsd**

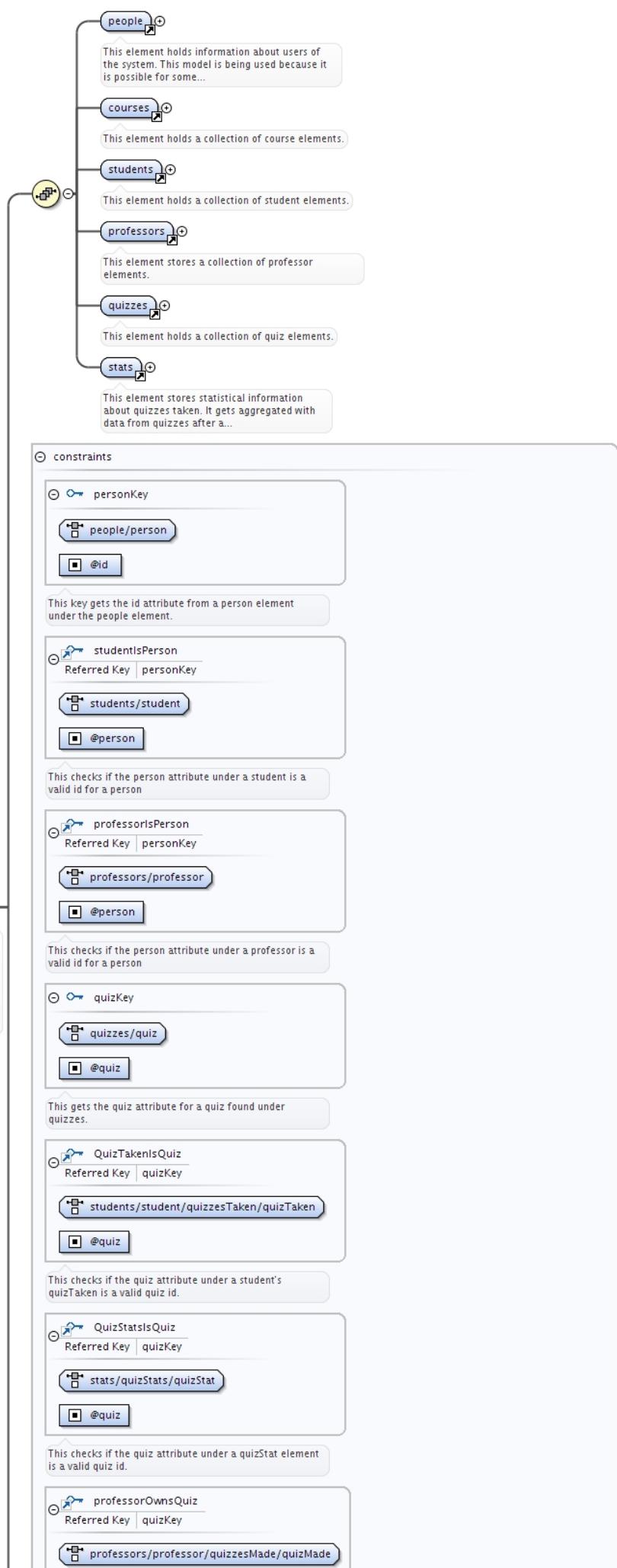
Namespace	No namespace
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd

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</xs:documentation> </xs:annotation> </xs:keyref> </xs:element></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
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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	<p>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.</p> <p>This element holds information for a specific user of the system. See the parent element, people, for more information.</p>
Properties	content: complex
Used by	Element quizTime
Model	person+
Children	person
Instance	<pre><people> <person admin="" id="">{1,unbounded}</person> </people></pre>
Source	<pre><x:element name="people"> <x:annotation> <x: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.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element maxOccurs="unbounded" ref="person"/> </x:sequence> </x:complexType> </x: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	<p>This element holds information for a specific user of the system. See the parent element, people, for more information.</p> <p>attributes</p> <p>personAttrs</p> <p>This groups the attributes used by the person element.</p> <p>name</p> <p>This element holds a specific user's first, middle, and last name.</p> <p>username</p> <p>Type xs:string</p> <p>This element stores a username for a person who has access to the system.</p> <p>password</p> <p>Type xs:string</p> <p>This element stores an MD5 hashed password for a person who has access to the system.</p>
Properties	content: complex
Used by	Element people
Model	name , username , password

Children	name, password, username																													
Instance	<person admin="" id=""> <name>{1,1}</name> <username>{1,1}</username> <password>{1,1}</password> </person>																													
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>admin</td> <td>xs:boolean</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">This is an attribute that flags a user as an administrator or not</td></tr> <tr> <td>id</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">This is an identifier attribute for each user of the system</td></tr> </tbody> </table>					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			
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><xss:element name="person"> <xss:annotation> <xss:documentation>This element holds information for a specific user of the system. See the parent element, people, for more information.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="name" minOccurs="1" maxOccurs="1"/> <xss:element ref="username" minOccurs="1" maxOccurs="1"/> <xss:element ref="password" minOccurs="1" maxOccurs="1"/> </xss:sequence> <xss:attributeGroup ref="personAttrs"/> </xss:complexType> </xss: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	<pre> classDiagram class name { firstName : xs:NCName middle : xs:string lastName : xs:NCName } name < -- compositeType </pre> <p>This element holds a specific user's first, middle, and last name.</p> <p>firstName Type xs:NCName</p> <p>This element represents the first name of a person.</p> <p>middle Type xs:string 1..5</p> <p>This element represents the middle name(s) of a person.</p> <p>lastName Type xs:NCName</p> <p>This element represents the last name of a person.</p>	
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><xss:element name="name"> <xss:annotation> <xss:documentation>This element holds a specific user's first, middle, and last name.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="firstName" minOccurs="1" maxOccurs="1"/> <xss:element ref="middle" minOccurs="1" maxOccurs="5"/> <xss:element ref="lastName" minOccurs="1" maxOccurs="1"/> </xss:sequence> </xss:complexType> </xss:element></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	<p>This element represents the first name of a person.</p> <p>Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.</p>
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	<p>This element represents the middle name(s) of a person.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
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	<p>This element represents the last name of a person.</p> <p>Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.</p>
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
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Element username

Namespace	No namespace
Annotations	This element stores a username for a person who has access to the system.
Diagram	<p>This element stores a username for a person who has access to the system.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p> <pre> <xss:element name="username" type="xs:string"> <xss:annotation> <xss:documentation>This element stores a username for a person who has access to the system.</xss:documentation> </xss:annotation> </xss:element> </pre>
Type	xs:string
Properties	content: simple
Used by	Element person
Source	<pre> <xss:element name="username" type="xs:string"> <xss:annotation> <xss:documentation>This element stores a username for a person who has access to the system.</xss:documentation> </xss:annotation> </xss: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	<p>This element stores an MD5 hashed password for a person who has access to the system.</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p> <pre> <xss:element name="password" type="xs:string"> <xss:annotation> <xss:documentation>This element stores an MD5 hashed password for a person who has access to the system.</xss:documentation> </xss:annotation> </xss:element> </pre>
Type	xs:string
Properties	content: simple
Used by	Element person
Source	<pre> <xss:element name="password" type="xs:string"> <xss:annotation> <xss:documentation>This element stores an MD5 hashed password for a person who has access to the system.</xss:documentation> </xss:annotation> </xss: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	<p>This element holds a collection of course elements.</p> <p>This element holds information about a specific course that quizzes can be given under.</p> <pre> <courses> <course courseNo="">{1,unbounded}</course> </courses> </pre>
Properties	content: complex
Used by	Element quizTime
Model	course+
Children	course
Instance	<pre> <courses> <course courseNo="">{1,unbounded}</course> </courses> </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 illustrates the structure of the <code>course</code> element. It starts with a central <code>course</code> element node. From this node, four arrows point to four attributes: <code>courseNo</code>, <code>courseTitle</code>, <code>courseDescription</code>, and <code>link</code>. A callout box for <code>courseNo</code> states: "This attribute defines a course number in the format "0000-000-00" where the 0s are any digits." A callout box for <code>courseTitle</code> states: "This holds a course title." A callout box for <code>courseDescription</code> states: "This holds a description for a course." A callout box for <code>link</code> states: "This element is used for inserting links into any of the existing elements." A large callout box on the left side of the diagram states: "This element holds information about a specific course that quizzes can be given under."</p>															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>mixed:</td> <td>false</td> </tr> </table>	content:	complex	mixed:	false											
content:	complex															
mixed:	false															
Used by	Element courses															
Model	<code>courseTitle , courseDescription , link{0,1}</code>															
Children	<code>courseDescription</code> , <code>courseTitle</code> , <code>link</code>															
Instance	<pre> <course courseNo=""> <courseTitle>{1,1}</courseTitle> <courseDescription>{1,1}</courseDescription> <link>{0,1}</link> </course> </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><code>courseNo</code></td> <td>restriction of xs:string</td> <td></td> <td></td> <td>required</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> </tbody> </table>	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.			
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
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Element courseTitle

Namespace	No namespace
Annotations	This holds a course title
Diagram	<p>The diagram shows the element 'courseTitle' with a type of 'xs:string'. A callout bubble indicates it is a built-in primitive type representing character strings in XML.</p>
Type	xs:string
Properties	content: simple
Used by	Element course
Source	<pre><xss:element name="courseTitle" type="xs:string"> <xss:annotation> <xss:documentation>This holds a course title</xss:documentation> </xss:annotation> </xss: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	<p>The diagram shows the element 'courseDescription' with a child element 'link*' indicated by a yellow square icon. A callout bubble indicates it is used for inserting links into existing elements.</p>
Properties	content: complex mixed: true
Used by	Element course
Model	link*
Children	link
Instance	<pre><courseDescription> <link>{0..unbounded}</link> </courseDescription></pre>
Source	<pre><xss:element name="courseDescription"> <xss:annotation> <xss:documentation>This holds a description for a course</xss:documentation> </xss:annotation> <xss:complexType mixed="true"> <xss:sequence> <xss:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss: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	<p>The diagram shows the element 'link' with a type of 'xs:anyURI'. A callout bubble indicates it is a built-in primitive type representing a Uniform Resource Identifier Reference (URI).</p>
Type	xs:anyURI
Properties	content: simple

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

Element students

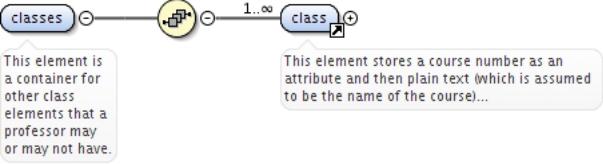
Namespace	No namespace
Annotations	This element holds a collection of student elements.
Diagram	<p>This element holds a collection of student elements.</p> <p>This element holds information specific to a student in the system. It links to a person element through the "person"...</p>
Properties	content: complex
Used by	Element quizTime
Model	student+
Children	student
Instance	<pre><students> <student person="">{1,unbounded}</student> </students></pre>
Source	<pre><xss:element name="students"> <xss:annotation> <xss:documentation>This element holds a collection of student elements.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element maxOccurs="unbounded" ref="student" /> </xss:sequence> </xss:complexType> </xss: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	<p>This element holds information specific to a student in the system. It links to a person element through the "person"...</p> <p>attributes</p> <p>person Type xs:integer</p> <p>This attribute is used to link a student or professor to a specific person in the system.</p> <p>0..∞ classes</p> <p>This element is a container for other class elements that a professor may or may not have.</p> <p>quizzesTaken</p> <p>This element stores information about quizzes a student in the system has taken.</p>
Properties	content: complex
Used by	Element students

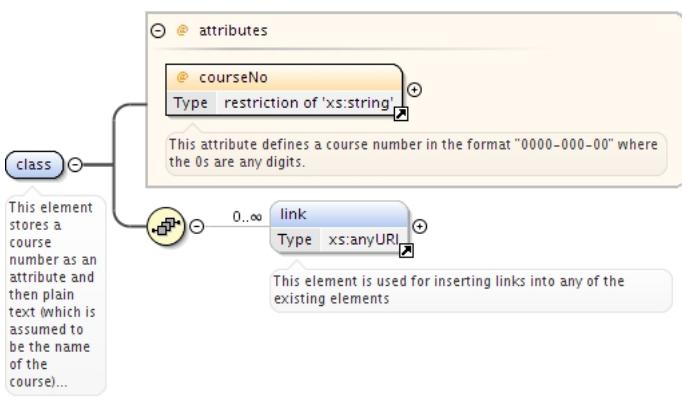
Model	classes*, quizzesTaken				
Children	classes, quizzesTaken				
Instance	<student person=""> <classes>{0,unbounded}</classes> <quizzesTaken>{1,1}</quizzesTaken> </student>				
Attributes	QName person	Type xs:integer	Fixed	Default	Use required
	This attribute is used to link a student or professor to a specific person in the system.				
Source	<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>				
Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd				

Element classes

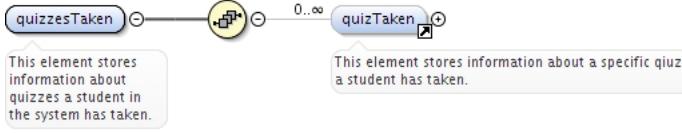
Namespace	No namespace				
Annotations	This element is a container for other class elements that a professor may or may not have.				
Diagram	 <p>This element is a container for other class elements that a professor may or may not have.</p> <p>This element stores a course number as an attribute and then 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	<classes> <class courseNo="">{1,unbounded}</class> </classes>				
Source	<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>				
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	<p>content: complex</p> <p>mixed: true</p>															
Used by	Element classes															
Model	link*															
Children	link															
Instance	<class courseNo=""> <link>{0,unbounded}</link> </class>															
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>required</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> </tbody> </table>	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.			
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><xss:element name="class"> <xss:annotation> <xss: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.</xss:documentation> </xss:annotation> <xss:complexType mixed="true"> <xss:sequence> <xss:element ref="link" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> <xss:attribute ref="courseNo" use="required"/> </xss:complexType> </xss: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	<p>content: complex</p>
Used by	Element student
Model	quizTaken*
Children	quizTaken
Instance	<quizzesTaken> <quizTaken quiz="">{0,unbounded}</quizTaken> </quizzesTaken>
Source	<pre><xss:element name="quizzesTaken"> <xss:annotation></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>

```

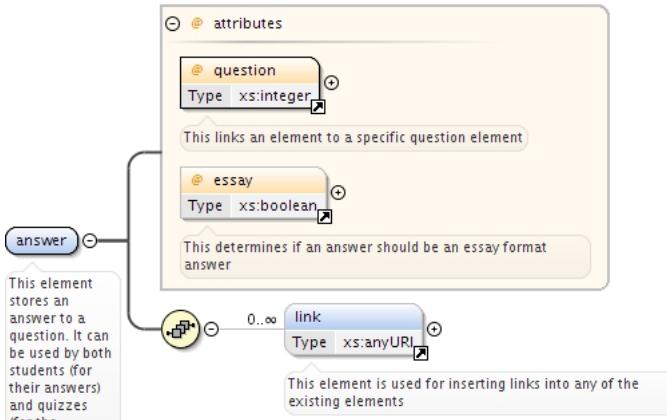
Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd
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Element quizTaken

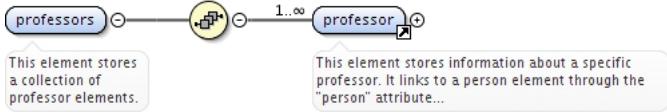
Namespace	No namespace															
Annotations	This element stores information about a specific quiz a student has taken.															
Diagram	<p>The diagram illustrates the structure of the quizTaken element. It is represented by a rounded rectangle labeled "quizTaken". A line connects it to another rounded rectangle labeled "quiz", which contains the text "Type xs:integer". A third rounded rectangle labeled "answer" is connected to "quizTaken" via a line with a multiplicity of "0..∞". A callout box points to "quiz" with the text "This is used to link an element to a specific quiz". Another callout box points to "answer" with the text "This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the...)".</p>															
Properties	content: complex															
Used by	Element quizzesTaken															
Model	answer*															
Children	answer															
Instance	<quizTaken quiz=""> <answer essay="" question="">{0,unbounded}</answer> </quizTaken>															
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	<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>															
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	<p>content: complex</p> <p>mixed: true</p>																									
Used by	Elements EssayQuestion, MCQuestion, TFQuestion, quizStat, quizTaken																									
Model	link*																									
Children	link																									
Instance	<pre><answer essay="" question=""> <link>{0,unbounded}</link> </answer></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>essay</td><td>xs:boolean</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4">This determines if an answer should be an essay format answer</td></tr> <tr> <td>question</td><td>xs:integer</td><td></td><td></td><td>required</td></tr> <tr> <td></td><td colspan="4">This links an element to a specific question element</td></tr> </tbody> </table>	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			
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:documentation> </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><xss:element name="professors"> <xss:annotation> <xss:documentation>This element stores a collection of professor elements.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element maxOccurs="unbounded" ref="professor"/> </xss:sequence> </xss:complexType> </xss: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	<p>The diagram illustrates the structure of the professor element. It shows a central node labeled 'professor' with three outgoing associations. One association points to an 'attributes' node containing a 'person' attribute (Type: xs:integer, marked as required). A tooltip for this attribute states: 'This attribute is used to link a student or professor to a specific person in the system.' Another association points to a 'classes' node, with a tooltip stating: 'This element is a container for other class elements that a professor may or may not have.' A third association points to a 'quizzesMade' node, with a tooltip stating: 'This element is a container for quizMade elements that a professor is 'responsible' for.'</p>															
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> <tr> <td></td> <td colspan="4">This attribute is used to link a student or professor to a specific person in the system.</td></tr> </tbody> </table>	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.			
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><xss:element name="professor"> <xss:annotation> <xss: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.</xss:documentation> </xss:annotation> <xss:complexType> <!-- @person is keyref'ed to a person element --> <xss:sequence> <xss:element ref="classes" minOccurs="0" maxOccurs="1"/> <xss:element ref="quizzesMade" minOccurs="0" maxOccurs="1"/> </xss:sequence> <xss:attribute ref="person" use="required"/> </xss:complexType> </xss:element></pre>															
Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd															

Element quizzesMade

Namespace	No namespace
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Annotations	This element is a container for quizMade elements that a professor is 'responsible' for.
Diagram	<p>This element is a container for quizMade elements that a professor is 'responsible' for.</p> <p>This element is linked to an existing quiz (as a professor would be responsible for making a quiz) and allows for a...</p>
Properties	content: complex
Used by	Element professor
Model	quizMade+
Children	quizMade
Instance	<pre><quizzesMade> <quizMade quiz="">{1,unbounded}</quizMade> </quizzesMade></pre>
Source	<pre><x:element name="quizzesMade"> <x:annotation> <x:documentation>This element is a container for quizMade elements that a professor is 'responsible' for.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="quizMade" minOccurs="1" maxOccurs="unbounded"/> </x:sequence> </x:complexType> </x: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	<p>This element is linked to an existing quiz (as a professor would be responsible for making a quiz) and allows for a...</p> <p>attributes</p> <p>quiz</p> <p>Type xs:integer</p> <p>This is used to link an element to a specific quiz</p> <p>link</p> <p>Type xs:anyURI</p> <p>This element is used for inserting links into any of the existing elements</p>															
Properties	<p>content: complex</p> <p>mixed: true</p>															
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></td> <td></td> <td></td> <td></td> <td>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><x:element name="quizMade"> <x:annotation> <x: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	<p>The diagram illustrates the relationship between the 'quizzes' element and the 'quiz' element. The 'quizzes' element is represented by a blue rounded rectangle with a hollow center and a small circle with a plus sign (+). It has a multiplicity of 0..infinity at its end of the association line. The 'quiz' element is represented by a blue rounded rectangle with a plus sign (+) at its end. A yellow rounded rectangle with a plus sign (+) is placed on the association line between them. A callout box points to the 'quizzes' element with the text: 'This element holds a collection of quiz elements.' Another callout box points to the 'quiz' element with the text: 'This element represents a quiz in the system. It holds different kinds of questions and associated answers to the...'. Below the diagram, the XML schema definition is shown:</p> <pre> <quizzes> <quiz courseNo="" created="" end="" modified="" quiz="" start="">{0,unbounded}</quiz> </quizzes> </pre>
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> <xss:element name="quizzes"> <xss:annotation> <xss:documentation>This element holds a collection of quiz elements.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="quiz" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss: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	<p>The diagram shows the 'quiz' element with its attributes and associations. The 'quiz' element is a blue rounded rectangle with a plus sign (+). It has an association with 'quizAttrs' (represented by a blue rounded rectangle with a plus sign (+)) with a multiplicity of 0..infinity. Another association with 'link' (blue rounded rectangle with a plus sign (+)) has a multiplicity of 0..infinity and is typed as 'xs:anyURI'. A third association with 'notes' (blue rounded rectangle with a plus sign (+)) has a multiplicity of 0..1. A fourth association with 'questions' (blue rounded rectangle with a plus sign (+)) has a multiplicity of 0..infinity. Callout boxes provide descriptions for each: 'quizAttrs' says 'attributes', 'link' says 'This element is used for inserting links into any of the existing elements', 'notes' says 'This is a general 'notes' element. It is meant to hold plain text and be re-used as it is needed.', and 'questions' says 'This element holds a collection of different questions (multiple choice, true/false, and essay/write in.)'. Below the diagram, the XML schema definition is shown:</p> <pre> <quiz> <link Type="xs:anyURI"/> <notes/> <questions/> </quiz> </pre>
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			
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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	<pre> classDiagram class quiz { notes *--> link : 0..infinity notes *--> image : 0..infinity } class link { Type xs:anyURI } class image </pre> <p>The diagram illustrates the structure of the quiz element. It contains three attributes: notes (multiplicity 0..1), link (multiplicity 0..infinity), and image (multiplicity 0..infinity). The link attribute is annotated with a Type xs:anyURI. Callouts provide additional context: 'notes' is described as a general 'notes' element for plain text, 'link' is for inserting links into existing elements, and 'image' is for supporting images in the quiz system.</p>
Properties	<p>content: complex</p> <p>mixed: true</p>
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 the 'image' element as a rounded rectangle with an association line pointing to a box labeled 'imageAttrs'. The 'imageAttrs' box contains a plus sign and four small squares, indicating it is a group of attributes. A callout bubble 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	<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>alt</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>height</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>src</td> <td>xs:string</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td>width</td> <td>xs:string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	alt	xs:string			optional	height	xs:string			optional	src	xs:string			required	width	xs:string			optional
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:annotation> <xs:complexType> <xs:attributeGroup ref="imageAttrs"/> </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>
Properties	content: complex
Used by	Element quiz
Model	MCQuestion*, TFQuestion*, EssayQuestion*
Children	EssayQuestion, MCQuestion, TFQuestion
Instance	<questions> <MCQuestion questionNum="">{0,unbounded}</MCQuestion> <TFQuestion questionNum="">{0,unbounded}</TFQuestion> <EssayQuestion questionNum="">{0,unbounded}</EssayQuestion> </questions>
Source	<x:element name="questions"> <x:annotation> <x:documentation>This element holds a collection of different questions (multiple choice, true/false, and essay/write in).</x:documentation> </x:annotation> <x:complexType> <x:sequence minOccurs="1"> <x:element ref="MCQuestion" minOccurs="0" maxOccurs="unbounded"/> <x:element ref="TFQuestion" minOccurs="0" maxOccurs="unbounded"/> <x:element ref="EssayQuestion" minOccurs="0" maxOccurs="unbounded"/> </x:sequence> </x:complexType> </x:element>
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>
Properties	content: complex mixed: true

Used by	Element	questions															
Model	(image* link*), mcChoice{2,unbounded}, answer																
Children	answer, image, link, mcChoice																
Instance	<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>																
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> <tr> <td></td> <td colspan="4">This attribute is used to define a question number on one of the question elements</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	questionNum	xs:integer			required		This attribute is used to define a question number on one of the question elements				
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	<xss:element name="MCQuestion"> <xss:annotation> <xss:documentation>This element holds information pertaining to a multiple choice question.</xss:documentation> </xss:annotation> <xss:complexType mixed="true"> <xss:sequence> <xss:choice maxOccurs="unbounded"> <xss:element ref="image" maxOccurs="unbounded" minOccurs="0"/> <xss:element ref="link" maxOccurs="unbounded" minOccurs="0"/> </xss:choice> <xss:element minOccurs="2" maxOccurs="unbounded" ref="mcChoice"/> <xss:element ref="answer"/> </xss:sequence> <xss:attribute ref="questionNum" use="required"/> </xss:complexType> </xss:element>																
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	<pre> classDiagram class mcChoice { @choiceLetter Type restriction of xs:string } class image { 0..∞ } class link { 0..∞ Type xs:anyURI } mcChoice "1..∞" -- "0..∞" image mcChoice "1..∞" -- "0..∞" link </pre> <p>The diagram illustrates the structure of the mcChoice element. It is a class with an attribute choiceLetter of type xs:string. It has two associations: one with image (multiplicity 0..∞) and one with link (multiplicity 0..∞). A tooltip for choiceLetter states: "This is an attribute used for determining the type of character to prepend a multiple choice answer with...". A tooltip for image states: "This element will support images for the quiz system.". A tooltip for link states: "This element is used for inserting links into any of the existing elements".</p>										
Properties	<p>content: complex</p> <p>mixed: true</p>										
Used by	Elements MCQuestion, TFQuestion										
Model	(image* link*)										
Children	image, link										
Instance	<mcChoice choiceLetter=""> <image alt="" height="" src="" width="">{0,unbounded}</image> <link>{0,unbounded}</link> </mcChoice>										
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 "al" as choice options, as well). This was decided for questions that have the potential to have a lot of answers. This syntax also supports the use of true or false.			
Source		<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>			
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	<p>The diagram illustrates the structure of the TFQuestion element. It is a class with the following associations:</p> <ul style="list-style-type: none"> Attributes: questionNum (xs:integer) - This attribute is used to define a question number on one of the question elements. Associations: <ul style="list-style-type: none"> TFQuestion (multiplicity 1..infinity) has a self-loop association labeled "This element holds information pertaining to a true/false question.". image (multiplicity 0..infinity) - This element will support images for the quiz system. link (multiplicity 0..infinity) - Type xs:anyURI. This element is used for inserting links into any of the existing elements. mcChoice (multiplicity 2) - This element holds information relating to a choice in a multiple choice question. answer (multiplicity 1) - This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the... 				
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 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	<p>The diagram illustrates the structure of the <code>EssayQuestion</code> element. It is a class with the following attributes:</p> <ul style="list-style-type: none"> <code>questionNum</code>: Type <code>xs:integer</code>. A note states: "This attribute is used to define a question number on one of the question elements". <code>image</code>: Multiplicity 0..infinity. A note states: "This element will support images for the quiz system". <code>link</code>: Multiplicity 0..infinity. A note states: "This element is used for inserting links into any of the existing elements". <code>answer</code>: Multiplicity 1..infinity. A note states: "This element stores an answer to a question. It can be used by both students (for their answers) and quizzes (for the...)". 																
Properties	<p>content: complex</p> <p>mixed: true</p>																
Used by	Element questions																
Model	<code>(image* link*) , answer</code>																
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	<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> <tr> <td></td> <td colspan="5">This attribute is used to define a question number on one of the question elements</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	questionNum	xs:integer			required		This attribute is used to define a question number on one of the question elements				
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 process...</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...</p>
Properties	content: complex
Used by	Element stats

Model	quizStat*
Children	quizStat
Instance	<quizStats> <quizStat quiz="">{0,unbounded}</quizStat> </quizStats>
Source	<xss:element name="quizStats"> <xss:annotation> <xss:documentation>This element is a container for statistical information about each quiz. Elements here are only added when a process generates them.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="quizStat" minOccurs="0" maxOccurs="unbounded" /> </xss:sequence> </xss:complexType> </xss:element>
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	<pre> classDiagram class quizStat { @ attributes @ quiz : xs:integer image * link * question + answer + } quizStat "1..∞" -- "1..∞" image quizStat "0..∞" -- "0..∞" link quizStat "1..∞" -- "1..∞" question quizStat "1..∞" -- "1..∞" answer </pre> <p>This diagram illustrates the structure of the quizStat element. It is a complex type with the following components:</p> <ul style="list-style-type: none"> Attributes: quiz (xs:integer) Associations: <ul style="list-style-type: none"> image (multiplicity 0..infinity) link (multiplicity 0..infinity) question (multiplicity 1..infinity) answer (multiplicity 1..infinity) 															
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 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></td> <td></td> <td colspan="3">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> <xss:element name="quizStat"> <xss:annotation> <xss: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	<p>The diagram illustrates the structure of the <code>question</code> element. It is a generic question element used for statistical reporting. It contains an attribute <code>questionNum</code> of type <code>xs:integer</code>, which is required. It also contains two child elements: <code>image</code> (supporting images for the quiz system) and <code>link</code> (inserting links into existing elements).</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 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	<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> <tr> <td></td><td colspan="4">This attribute is used to define a question number on one of the question elements</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	questionNum	xs:integer			required		This attribute is used to define a question number on one of the question elements			
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
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Attributes

Attribute personAttrs / @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 personAttrs
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 personAttrs / @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 personAttrs
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 quizAttrs
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
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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 imageAttrs / @src

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

Attribute imageAttrs / @alt

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

Attribute imageAttrs / @height

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

Attribute imageAttrs / @width

Namespace	No namespace
Type	xs:string
Properties	use: optional
Used by	Attribute Group imageAttrs
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 "al" as choice options, as well). This was decided for questions that have the potential to have a lot 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 "al" as choice options, as well). This was decided for

	<pre> questions that have the potential to have a lot 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
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Annotations	This attribute defines when a quiz can be started by students
Type	xs:dateTime
Properties	use: optional
Used by	Attribute Group quizAttrs
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 quizAttrs / @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 quizAttrs
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 personAttrs

Namespace	No namespace																													
Annotations	This groups the attributes used by the person element.																													
Diagram	<p>This diagram illustrates the structure of the personAttrs attribute group. It shows a central box labeled "personAttrs" with two outgoing arrows pointing to two other boxes: "id" and "admin". A callout bubble from "personAttrs" points to the "id" box with the text "This groups the attributes used by the person element.". The "id" box contains the annotation "@ id Type xs:integer". A callout bubble from "id" points to the text "This is an identifier attribute for each user of the system". The "admin" box contains the annotation "@ admin Type xs:boolean". A callout bubble from "admin" points to the text "This is an attribute that flags a user as an administrator or not".</p>																													
Used by	Element person																													
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>admin</td> <td>xs:boolean</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4">This is an attribute that flags a user as an administrator or not</td></tr> <tr> <td>id</td> <td>xs:integer</td> <td></td> <td></td> <td>required</td> </tr> <tr> <td></td> <td colspan="4">This is an identifier attribute for each user of the system</td></tr> </tbody> </table>					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			
QName	Type	Fixed	Default	Use																										
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Source	<pre><xs:attributeGroup name="personAttrs"> <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 imageAttrs

Namespace	No namespace																									
Diagram	<pre> graph TD imageAttrs[imageAttrs] --> src[src] imageAttrs --> alt[alt] imageAttrs --> height[height] imageAttrs --> width[width] </pre>																									
Used by	Element image																									
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Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd																									

Attribute Group quizAttrs

Namespace	No namespace
Diagram	<pre> graph TD quizAttrs[quizAttrs] --> quiz[quiz] quizAttrs --> courseNo[courseNo] quizAttrs --> created[created] quizAttrs --> modified[modified] quizAttrs --> start[start] quizAttrs --> end[end] </pre> <p>This is used to link an element to a specific quiz</p> <p>This attribute defines a course number in the format "0000-000-00" where the 0s are any digits.</p> <p>This attribute defines when an object in the system is created (such as a quiz)</p> <p>This attribute defines when an object in the system is modified (such as a quiz)</p> <p>This attribute defines when a quiz can be started by students</p> <p>This attribute defines when a quiz ends (for student completion)</p>

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			
Source	start	xs:dateTime			optional
		This attribute defines when a quiz can be started by students			
Schema location	file:/home/geoff/Documents/school/4002-770/project/quizTime.xsd				