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<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:schema="http://www.slc.co.uk/course/schema/1.0"
xmlns:entites="http://www.slc.co.uk/course/entities/1.0"
xmlns:types="http://www.slc.co.uk/course/types/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.slc.co.uk/course/schema/1.0"
elementFormDefault="unqualified" attributeFormDefault="unqualified">
  <xs:annotation>
    <xs:documentation>SLC Course Database Schema</xs:documentation>
    <xs:documentation>Author: John McTeague</xs:documentation>
    <xs:documentation>Version: 1.0</xs:documentation>
    <xs:documentation>Simple schema based on existing DB
schema</xs:documentation>
  </xs:annotation>
  <xs:import namespace="http://www.slc.co.uk/course/entities/1.0"
schemaLocation="./HEICourseDatabaseEntities.xsd"/>
  <xs:import namespace="http://www.slc.co.uk/course/types/1.0"
schemaLocation="./HEICourseDatabaseTypes.xsd"/>
  <xs:element name="courseCatalogRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="heiCode" type="types:heiCode"/>
        <xs:element name="academicYear"
type="types:academicYear"/>
        <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="courseCatalogResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="catalog" type="schema:catalog"
minOccurs="0"/>
        <xs:element name="result" type="schema:result"
minOccurs="0"/>
        <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="courseRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="heiCode" type="types:heiCode"/>
        <xs:element name="slcCourseCode"
type="types:slcCourseCode"/>
        <xs:element name="academicYear"
type="types:academicYear"/>
        <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="courseResponse">
    <xs:complexType>
      <xs:sequence>

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        <xs:element name="course" type="entites:course"
minOccurs="0"/>
        <xs:element name="result" type="schema:result"
minOccurs="0"/>
        <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="locationRequest">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="heiCode" type="types:heiCode"/>
            <xs:element name="campus" type="types:campus"/>
            <xs:element name="franchise" type="types:yesNo"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="locationResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="location" type="entites:location"
minOccurs="0"/>
            <xs:element name="result" type="schema:result"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="institutionYearRequest">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="heiCode" type="types:heiCode"/>
            <xs:element name="academicYear"
type="types:academicYear"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="institutionYearResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="institutionYear"
type="entites:institutionYear" minOccurs="0"/>
            <xs:element name="result" type="schema:result"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="qualificationsListRequest">
    <xs:complexType>
        <xs:sequence>

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        <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="qualificationsListResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="qualification"
type="entites:qualification" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element name="result" type="schema:result"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="courseCatalogSubmissionRequest">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="academicYear"
type="types:academicYear" minOccurs="0" maxOccurs="1"/>
            <xs:element name="catalog" type="schema:catalog"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="courseCatalogSubmissionResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="catalogSubmissionResponse"
type="schema:catalogSubmissionResponse" minOccurs="0"/>
            <xs:element name="result" type="schema:result"/>
            <xs:element name="submissionNumber" type="xs:int"/>
            <xs:element name="schemaVersion" type="xs:decimal"
fixed="1.0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:complexType name="catalog">
    <xs:annotation>
        <xs:documentation>Root element. A catalog is made up of one or
more institutions.</xs:documentation>
    </xs:annotation>
    <xs:sequence>
        <xs:element name="institution" type="entites:institution"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="catalogSubmissionResponse">
    <xs:sequence>
        <xs:element name="institutionSubmissionResponse"
type="schema:institutionSubmissionResponse" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="institutionSubmissionResponse">

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    <xs:annotation>
      <xs:documentation>
        The response to all the updates for an institution.
      </xs:documentation>
    </xs:annotation>
  </xs:sequence>
  <xs:sequence>
    <xs:element name="heiCode" type="types:heiCode"/>
    <xs:element name="locationSubmissionResponse"
type="schema:locationSubmissionResponse" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="institutionYearSubmissionResponse"
type="schema:institutionYearSubmissionResponse" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="courseSubmissionResponse"
type="schema:courseSubmissionResponse" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="result" type="schema:result"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="courseSubmissionResponse">
  <xs:annotation>
    <xs:documentation>The response from a course
update/insert</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="slcCourseCode" type="types:slcCourseCode"
minOccurs="0" maxOccurs="1"/>
    <xs:element name="shortName" type="types:courseShortName"
minOccurs="0"/>
    <xs:element name="result" type="schema:result"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="institutionYearSubmissionResponse">
  <xs:annotation>
    <xs:documentation>Response for an institution
update/insert</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="academicYear" type="types:academicYear"/>
    <xs:element name="result" type="schema:result"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="locationSubmissionResponse">
  <xs:annotation>
    <xs:documentation>
      The response for a location update/insert
    </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="campus" type="types:campus"/>
    <xs:element name="franchise" type="types:yesNo"/>
    <xs:element name="result" type="schema:result"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="result">
  <xs:annotation>
    <xs:documentation>The response from an
update/insert</xs:documentation>
  </xs:annotation>

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        <xs:sequence>
            <xs:element name="resultNumber" type="xs:int" minOccurs="0"/>
            <xs:element name="message" type="schema:resultMessage"
minOccurs="0"/>
            <xs:element name="lastUpdatedDateTime" type="types:timeStamp"
minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="resultMessage">
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="100"/>
        </xs:restriction>
    </xs:simpleType>
</xs:schema>
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