Discussion of Issues

The XML schema I made is like a student information table. For example, a student in School of Information and Computing, and he’s name is Frank. He entered the SCI at Aug. 27th 2017(xs:element name: “StartDate” type: “xs:date”), and he is expected to graduate at April 26th 2019(xs:element name: “EndDate” type: “xs:date”). In this XML schema, it will show such detailed information about students.

The element stands on the top level is “global” and “global2”, because they are global type. Next level is “Student”, it contains most detailed personal information and general academic information. The element of “School” is the bridge between “Student” and “SchoolName”. Because “SchoolName” is the entrance of student’s academic information. The “SchoolName” include the academic year inforamion(<xs:element name="Year" type="years"/>). There are “ClassName” and “ClassID” in “years”. According to “<xs:element name="ClassID" type="courses"/>”, “ClassID” connects “years” and “courses”. The “courses” includes four elements, CourseName, CourseID, IntroductorName and Capacity. “CourseID” connect “courses” and “courseInfo”. And the “courseInfo” must be one of five values, which are ML, DA, Web, DM and Math.