ERD Documentation

Capping

9/20/15

The ERD diagram displays how each of the entities interact with each other in the database. Our database layout includes, Admin, Student, School, Courses Taken, Course, Equivalent, Requirements, and Major.

Admin Entity:

* Uses a primary key id
* Includes admin first name as firstName
* Includes admin last name as lastName
* User information username
* User information password
* User information accessLevel

Student Entity:

* Uses primary key id
* Includes student first name as firstName
* Includes student last name as lastName
* User information email
* Foreign key currentCollege – from School
* School information intendedStartDate

School Entity:

* Uses a primary key id
* School information name

CoursesTaken Entity:

* Uses compound primary key using studentID (from student) and courseID (from course)

Course Entity:

* Uses a primary key id
* Contains a foreign key school
* Course information subject
* Course information courseNum
* Course information accepted

Equivalent Entity:

* Uses a compound key using courseID (from Course) and requireID(from requirements)

Requirements Entity:

* Uses a primary key id
* Contains a foreign key major (from Major)
* Requirement information subject
* Requirement information courseNum
* Requirement information creditValue

Major Entity:

* Uses a primary key id
* Major information name

Relationships

Student to CoursesTaken is a One-to-Many relationship

School to Student is a One-to-Many relationship

School to Course is a One-to-Many relationship

Course to Equivalent is a One-to-Many relationship

Requirements to Equivalent is a One-to-Many relationship

Major to Requirements is a One-to-Many relationship