

## Database Schema:

User (uid, Name)

Student\_Phones(Sid, Phone Number)

-----

Student\_Phones.Sid references Student

Student (Sid, Pid, advID, Mid, Gid, Name, GPA, Address, Faculty, Acquired Hours, Assigned Hours, Student Semester, Status, Major, email)

Student.Pid references Payment

Student.advID references Advisor

Student.Mid references Makeup

Student.Gid references Graduation\_Plan

Takes(Sid, Iid, Cid)

-----

Takes.Sid references Student

Takes.Iid references Instructor

Takes.Cid references Course

Advisor(advID, Name, email, office location)

Admin(admID, Name)

Make\_up\_exam(mID, date, type)

Instructor (Iid, email, faculty, name, office)

Course (Cid, Scode, major, name, Credit Hour, offered)

Course.Scode references Semester

Prerequisite(pre\_courses, rest\_courses)

-----

Prerequisite.pre\_courses references Course

Prerequisite.rest\_courses references Course

Course\_Semesters(Cid, course\_semester)

----

Course\_Semesters.Cid references Course

Required\_course (Cid)

-----

Required\_course.Cid references Course

Optional\_course (Cid)

-----

Optional\_course.Cid references Course

Request (Rid, Uid, advID, status, type, comment, credit hours, courses)

Request.Uid references Student

Request.advID references Advisor

Slot (Slot\_id, name, type, location)

Taught(Slot\_id,Cid,lid)

-----

Taught.Slot\_id references Slot

Taught.Cid references Course

Taught.lid references Instructor

Graduation\_Plan (Gid, advID., courses, credit hour / semester, graduation semester)

Graduation\_Plan.advID references Advisor

Semester (Scode, start date, end date)

Required\_Semester (Scode)

-----

Required\_Semester.Scode references Semester

Optional\_Semester (Scode)

-----

Optional\_Semester.Scode references Semester

Payment (Pid, Scode.,deadline, number of installments, fund percentage, total amount)

Payment.Scode references Semester

Installment (Pid,installment number ,date, amount, deadline, status)

-----

Installment.Pid references Payment