```sql
CREATE TABLE user
(
username      VARCHAR(60)      NOT NULL,
password      VARCHAR(60)      NOT NULL,
PRIMARY KEY (username)
);

CREATE TABLE admin
(
username      VARCHAR(60)      NOT NULL,
PRIMARY KEY (username),
FOREIGN KEY (username)          REFERENCES user(username)
);

CREATE TABLE student
(
gtEmail       VARCHAR(60)      NOT NULL,
year          VARCHAR(60)      NOT NULL          DEFAULT "Freshman",
username      VARCHAR(60)      NOT NULL,
majorName     VARCHAR(60),
PRIMARY KEY (username),
FOREIGN KEY (username)          REFERENCES user(username),
FOREIGN KEY (majorName)         REFERENCES major(majorName),
UNIQUE (gtEmail)
);

CREATE TABLE project
(
name          VARCHAR(60)      NOT NULL,
estNum        INT              NOT NULL,
description   VARCHAR(140)     NOT NULL,
advName       VARCHAR(60)      NOT NULL,
advEmail      VARCHAR(60)      NOT NULL,
desigName     VARCHAR(60),
PRIMARY KEY (name),
FOREIGN KEY (desigName)         REFERENCES designation(name)
);

CREATE TABLE project_requirements
(
pName              VARCHAR(60)      NOT NULL,
pRequirement       VARCHAR(60)      NOT NULL,
PRIMARY KEY (pName, pRequirement),
```

```sql
FOREIGN KEY (pName)              REFERENCES project(name)
);

CREATE TABLE department
(
deptName            VARCHAR(60)        NOT NULL,
PRIMARY KEY(name)
);

CREATE TABLE major
(
majorName    VARCHAR(60)        NOT NULL,
deptName     VARCHAR(60)        NOT NULL,
PRIMARY KEY (majorName),
FOREIGN KEY (deptName)           REFERENCES department(name)
);

CREATE TABLE designation
(
name         VARCHAR(60)        NOT NULL,
PRIMARY KEY (name)
);

CREATE TABLE category
(
name         VARCHAR(60)        NOT NULL,
PRIMARY KEY (name)
);

CREATE TABLE course
(
courseNumber              VARCHAR(60)        NOT NULL,
name                      VARCHAR(60)        NOT NULL,
instructor                VARCHAR(60)        NOT NULL,
designation               VARCHAR(60)        NOT NULL,
estNumberStudents         INT                NOT NULL,
PRIMARY KEY (courseNumber),
UNIQUE (name),
FOREIGN KEY (designation) REFERENCES designation(name)
);
```

```sql
CREATE TABLE applies_for
(
studentEmail              VARCHAR(60)        NOT NULL,
projectName               VARCHAR(60)        NOT NULL,
date                      TIMESTAMP          DEFAULT NOW(),
status                    VARCHAR(60)        NOT NULL,
PRIMARY KEY (studentEmail, projectName),
FOREIGN KEY (studentEmail)      REFERENCES student(gtEmail),
FOREIGN KEY (projectName)       REFERENCES project(name)
);

CREATE TABLE project_category
(
projectName        VARCHAR(60)        NOT NULL,
categoryName       VARCHAR(60)        NOT NULL,
PRIMARY KEY (projectName, categoryName),
FOREIGN KEY (projectName)       REFERENCES project(name),
FOREIGN KEY (categoryName)      REFERENCES category(name)
);

CREATE TABLE course_category
(
courseNumber       INT                NOT NULL,
categoryName       VARCHAR(60)        NOT NULL,
PRIMARY KEY (courseNumber, categoryName),
FOREIGN KEY (courseNumber) REFERENCES course(courseNumber),
FOREIGN KEY (categoryName) REFERENCES category(name)
);
```