

CREATE TABLE user

Merge into 1 table called 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),
```

```
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)
);
```

CREATE TABLE applies_for

Change studentEmail to username

```
(
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(email),
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)
);
```