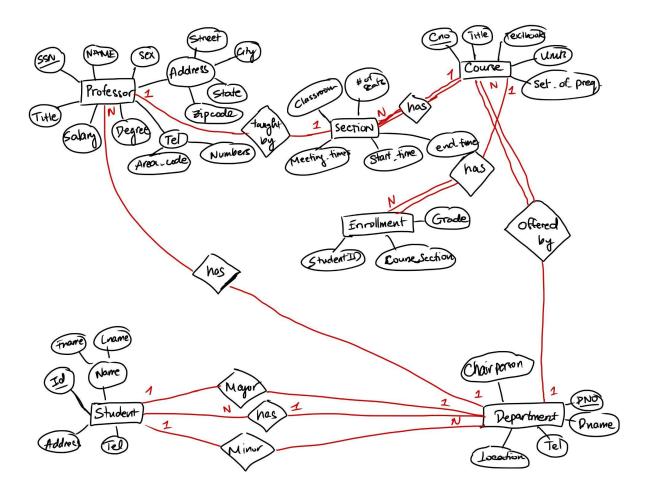
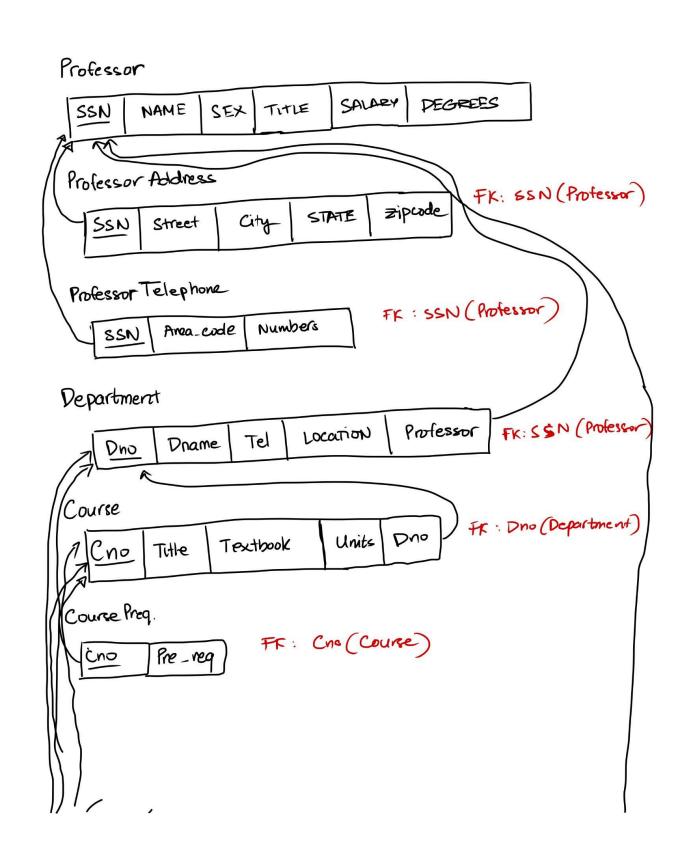
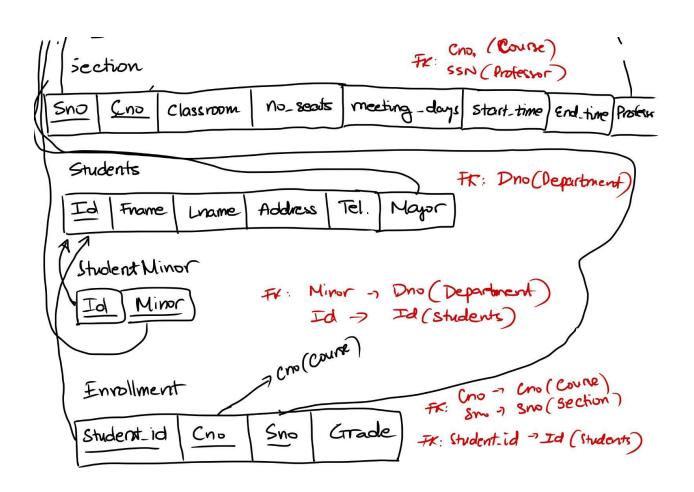
CPSC 332 File Structure and Database System Database Project Duy Nguyen CWID: 9331

Account: cs332g22

Link: http://ecs.fullerton.edu/~cs332g22/







USER INTERFACE

Pick the title of the user, which can be either professor or a student

University Database

Please choose your title:
Professor Student
Professor can either check their class,meeting_days,time by input their SSN Available SSN = '123456789'
Enter the social security number:
123456789
Search
OR
Enter the course number and section number:
Course number:
Section number:
Search

Connected sucessfully	
Classroom: E303 SSN: 123456789 Title: EGCP Meeting_days: M W F Start: 08 30 End: 09 45	
Classroom: E303 SSN: 123456789 Title: EGCP Meeting_days: M W F Start: 10 00 End: 11 15	
+/- grade) in the class. This f	and section number to count for how many students got (A,B,C,D function is incomplete since only Course number= '450' and section in though I have data ('450','332','381') for course number and number.
Enter the course number a	and section number:
Course number: 450	
Section number: 01	
Search	

Connected sucessfully	,
Grade: A+ Count: 1	
Grade: A-Count: 1	
Grade: B Count: 1	
Grade: C+ Count: 2	
Student can enter course meeting days, time, and Enter the course numbe	
450	Search
OR	
Enter the student CWID) :
	Search
Section: 1 Classroom: E303 Meeting Days: M W F Start: 08 30 End: 09 45 Number of seats: 50	
Section: 3 Classroom: E303 Meeting Days: M W F Start: 10 00	

End: 11 15

Number of seats: 50

Or student can use their CWID to check for their course grade Sample working CWID = "987654321" and "876543219"

Enter the student CWID:

987654321	Search
-----------	--------

Course: 332 Title : CPSC Grade : A+

Course: 381

Title : EGCP Grade : B

Course: 450 Title : EGCP Grade : A-

SOURCE CODE:

</html>

```
Index.html
<!DOCTYPE html>
<html>
<body>

<h2>University Database</h2>
Please choose your title:
<form action="professorInput.php" method="POST">
<input type="submit" id="professor_press" value="Professor">
</form>
<form action="studentInput.php" method="POST">
<input type="submit" id="student_press" value="Student">
</form>
</body>
```

```
professorInput.php
<html>
<body>
<form action="professorInfo.php" method="POST">
Enter the social security number:
<input type="text" name="sno"/>
<input type="submit" value="Search"/>
</form>
OR
<form action="professorInfo2.php" method="POST">
Enter the course number and section number:
Course number: <input type="text" name="icn"/>
Section number: <input type="text" name="isn"/>
<input type="submit" value="Search"/>
</form>
</body>
```

</html>

professorInfo.php

```
<html>
<body>
<?php
$link=mysqli connect('mariadb','cs332g22','uDM5jjoW','cs332g22');
if(!$link) {
die('Could not connect: '. mysql error()); }
echo 'Connected sucessfully';
  $query = 'SELECT ssn,c title, classroom, meeting days, start time, end time
           FROM Professor P, Section S, Course C
           WHERE P.ssn = "'.$ POST['sno']."' AND P.ssn = S.professor ssn AND S.cno =
C.cno';
  $result = $link->query($query);
  $nor=$result->num rows;
  for($i=0;$i<$nor;$i++) {
  $row=$result->fetch assoc();
  echo "Classroom: ",$row['classroom'],"<br>";
  printf("SSN : %s<br>\n", $row['ssn']);
  printf("Title: %s<br>\n", $row["c title"]);
  echo "Meeting days: ", $row['meeting days'],"<br>";
  echo "Start: ",$row['start time'],"<br>";
  echo "End: ",$row['end_time'],"<br>";
  echo "-----,"<br>"; }
  $result->free result();
$link->close();
?>
</body>
</html>
```

```
professorInfo2.php
<html>
<body>
<?php
$link=mysqli connect('mariadb','cs332g22','uDM5jjoW','cs332g22');
if(!$link) {
die('Could not connect: '. mysql error()); }
echo 'Connected sucessfully';
$query = 'SELECT grade, COUNT(*) as count FROM Enrollment E INNER JOIN Section S
ON E.sno = S.sno WHERE S.cno="".$ POST['icn']." AND S.sno ="".$ POST['isn']." GROUP
BY grade';
$result = $link->query($query);
$nor=$result->num_rows;
for($i=0;$i<$nor;$i++) {
$row1=$result->fetch assoc();
echo "Grade: ",$row1["grade"],"<br>";
echo "Count: ",$row1["count"],"<br>";
echo "-----","<br>";
$result->free result();
$link->close();
?>
</body>
```

</html>

studentInput.php

```
<html>
<body>
<form action="studentInfo.php" method="POST">
Enter the course number:
<input type="text" name="icn"/>
<input type="submit" value="Search"/>
</form>
OR
<form action="studentInfo2.php" method="POST">
Enter the student CWID:
<input type="text" name="sid"/>
<input type="text" name="sid"/>
<input type="submit" value="Search"/>
</form>
</body>
</html>
```

studentInfo.php

```
<html>
<body>
<?php
$link=mysqli connect('mariadb','cs332g22','uDM5jjoW','cs332g22');
if(!$link) {
die('Could not connect: '. mysql error()); }
echo 'Connected sucessfully';
  $query = 'SELECT S.sno, classroom, meeting days, start time, end time, no seats FROM
Section S, Course C, Enrollment E WHERE C.cno="".$ POST['icn']." AND C.cno=S.cno AND
C.cno=E.cno';
  $result = $link->query($query);
  $nor=$result->num rows;
  for($i=0;$i<$nor;$i++){
  $row=$result->fetch assoc();
  echo "Section: ",$row['sno'],"<br>";
  echo "Classroom: ",$row['classroom'],"<br>";
  printf("Meeting Days : %s<br/>br>\n", $row['meeting days']);
  printf("Start: %s<br>\n", $row['start_time']);
  echo "End: ",$row['end time'],"<br>";
  echo "Number of seats: ",$row['no seats'],"<br>";
  echo "-----,"<br>"; }
  $result->free result();
$link->close();
?>
</body>
</html>
```

```
studentInfo2.php
<html>
<body>
<?php
$link=mysqli connect('mariadb','cs332g22','uDM5jjoW','cs332g22');
if(!$link) {
die('Could not connect: '. mysql error()); }
echo 'Connected sucessfully';
  $query = 'SELECT C.cno,c title,grade FROM Course C, Students S, Enrollment E WHERE
S.id="".$ POST['sid']." AND S.id=E.student id AND C.cno=E.cno';
  $result = $link->query($query);
  $nor=$result->num rows;
  for($i=0;$i<$nor;$i++) {
  $row=$result->fetch assoc();
  echo "Course: ",$row["cno"],"<br>";
  echo "Title: ",$row["c title"],"<br>";
  echo "Grade: ",$row["grade"],"<br>";
  echo "-----","<br>";
  $result->free result();
$link->close();
?>
</body>
</html>
```

```
<html>
<body>
<?php
CREATE TABLE 'Professor' (
 'ssn' int(11) NOT NULL,
 'name' varchar(50) DEFAULT NULL,
 'sex' varchar(50) DEFAULT NULL,
 'title' varchar(50) DEFAULT NULL,
 'salary' float DEFAULT NULL,
 'degrees' varchar(50) DEFAULT NULL,
 PRIMARY KEY ('ssn')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'ProfessorAddress' (
 'ssn' int(11) DEFAULT NULL,
 'street' varchar(50) DEFAULT NULL,
 'city' varchar(50) DEFAULT NULL,
 'state' varchar(50) DEFAULT NULL,
 'zipcode' int(11) DEFAULT NULL,
 KEY 'ssn' ('ssn'),
 CONSTRAINT 'ProfessorAddress ibfk 1' FOREIGN KEY ('ssn') REFERENCES 'Professor'
(`ssn`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'ProfessorTelephone' (
 'ssn' int(11) DEFAULT NULL,
 'areacode' int(11) DEFAULT NULL,
 'number' int(11) DEFAULT NULL,
 KEY 'ssn' ('ssn'),
 CONSTRAINT 'ProfessorTelephone ibfk 1' FOREIGN KEY ('ssn') REFERENCES
'Professor' ('ssn')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'Department' (
 'dno' int(11) NOT NULL,
 'dname' varchar(50) DEFAULT NULL,
```

Table.ddl

```
'telephone' int(15) DEFAULT NULL,
 'professor ssn' int(11) DEFAULT NULL,
 'location' varchar(50) DEFAULT NULL,
 PRIMARY KEY ('dno'),
 KEY 'professor ssn' ('professor ssn'),
 CONSTRAINT 'Department ibfk 1' FOREIGN KEY ('professor ssn') REFERENCES
'Professor' ('ssn')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'Course' (
 'cno' int(11) NOT NULL AUTO INCREMENT,
 'c title' varchar(50) DEFAULT NULL,
 'textbook' varchar(50) DEFAULT NULL,
 'units' int(11) DEFAULT NULL,
 'dno' int(11) DEFAULT NULL,
 PRIMARY KEY ('cno'),
 KEY 'dno' ('dno'),
 CONSTRAINT 'Course ibfk 1' FOREIGN KEY ('dno') REFERENCES 'Department' ('dno')
) ENGINE=InnoDB AUTO INCREMENT=451 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4 general ci
CREATE TABLE 'CoursePreg' (
 'cno' int(11) DEFAULT NULL,
 'pre req' varchar(20) DEFAULT NULL,
 KEY 'cno' ('cno'),
 CONSTRAINT 'CoursePreq ibfk 1' FOREIGN KEY ('cno') REFERENCES 'Course' ('cno')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'Section' (
 'sno' int(11) NOT NULL AUTO INCREMENT,
 'cno' int(11) DEFAULT NULL,
 'classroom' varchar(50) DEFAULT NULL,
 'no seats' int(100) DEFAULT NULL,
 'meeting days' varchar(50) DEFAULT NULL,
 'start time' varchar(5) DEFAULT NULL,
 'end time' varchar(5) DEFAULT NULL,
 'professor ssn' int(11) DEFAULT NULL,
 PRIMARY KEY ('sno'),
 KEY 'professor ssn' ('professor ssn'),
 KEY 'cno' ('cno'),
```

```
CONSTRAINT 'Section ibfk 2' FOREIGN KEY ('professor ssn') REFERENCES
'Professor' ('ssn'),
 CONSTRAINT 'Section ibfk 3' FOREIGN KEY ('cno') REFERENCES 'Course' ('cno')
) ENGINE=InnoDB AUTO INCREMENT=4 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4 general ci
CREATE TABLE 'Students' (
 'id' int(11) NOT NULL,
 'fname' varchar(50) DEFAULT NULL,
 'lname' varchar(50) DEFAULT NULL,
 'address' varchar(50) DEFAULT NULL,
 'telephone' int(11) DEFAULT NULL,
 'major' varchar(50) DEFAULT NULL,
 PRIMARY KEY ('id')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'StudentMinor' (
 'id' int(11) DEFAULT NULL,
 'minor' varchar(20) DEFAULT NULL,
 KEY 'id' ('id'),
 CONSTRAINT 'StudentMinor ibfk 1' FOREIGN KEY ('id') REFERENCES 'Students' ('id')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
CREATE TABLE 'Enrollment' (
 'student id' int(11) DEFAULT NULL,
 'cno' int(11) DEFAULT NULL,
 'sno' int(11) DEFAULT NULL,
 'grade' varchar(2) DEFAULT NULL,
 KEY 'student id' ('student id'),
 KEY 'cno' ('cno'),
 KEY 'sno' ('sno'),
 CONSTRAINT 'Enrollment ibfk 1' FOREIGN KEY ('student id') REFERENCES 'Students'
('id'),
 CONSTRAINT 'Enrollment ibfk 2' FOREIGN KEY ('cno') REFERENCES 'Course' ('cno'),
 CONSTRAINT 'Enrollment ibfk 3' FOREIGN KEY ('sno') REFERENCES 'Section' ('sno')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 general ci
```

</body>