

CPSC 332

TERM PROJECT

Last-4 CWID in ()

Team Members

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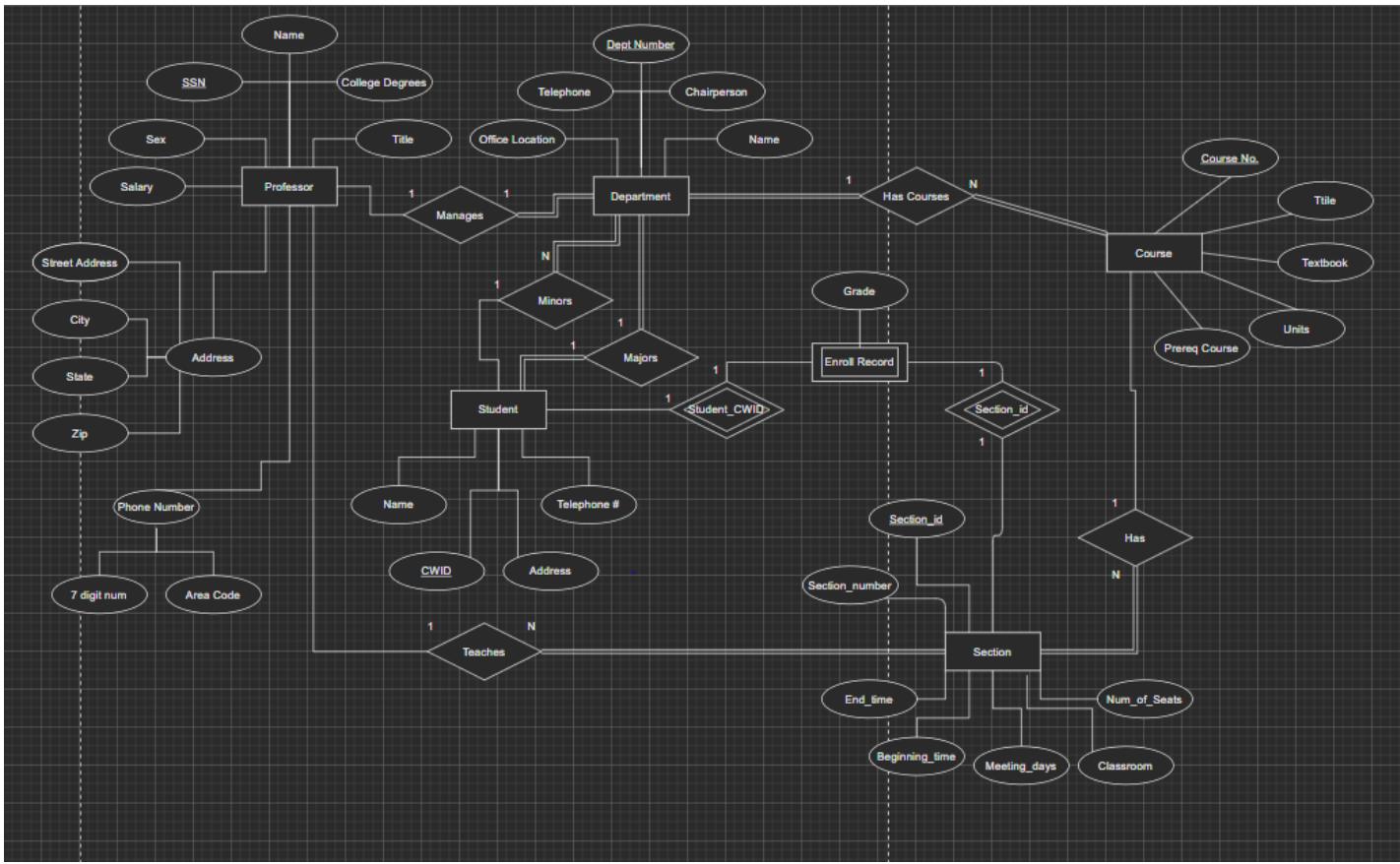
Matthew Nguyen (0843)

Julian Ogata (9332)

ACCOUNT USED

cs332s25

ER MODEL



RELATIONAL MODEL



CODE index.php

```
1 <?php
2   include_once 'sql_connect.php'; // SQL Server Connection
3 ?>
4
5 <html>
6   <head>
7     <meta charset="UTF-8">
8     <title>Database Homepage </title>
9 </head>
10 <body>
11 <body>
12 <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">CPSC 332 Database</h1>
13 <p><br>
14
15 <?php
16   echo "Welcome to the CPSC 332 Database!" . "<br>";
17 ?>
18
19 <form method = "post">
20   <button type = submit style = "background-color:coral;" name = "professors" value = "Professors">Professors</button>
21   <button type = submit style = "background-color:coral;" name = "students" value = "Students">Students</button?>
22 </form>
23
24 <?php
25 // -----
26 // COMPLETE
27 //
28 // To Student Tab
29 if(isset($_POST['students'])){
30   header("Location: student.php");
31 }
32
33 // -----
34 // COMPLETE
35 //
36 // To Student Tab
37 if(isset($_POST['professors'])){
38   header("Location: professor.php");
39 }
40
41 // -----
42 ?>
```

professor.php

```
1 <?php
2   include_once 'sql_connect.php'; // SQL Server Connection
3 ?>
4
5 <html>
6   <head>
7     <meta charset="UTF-8">
8     <title>Professor Tab</title>
9 </head>
10 <style>
11 </style>
12 <body>
13 <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Professor Tab</h1>
14
15 <form method = "POST">
16   <button type = submit style = "background-color:coral;" name = "main">Main Menu</button>
17   <button type = submit style = "background-color:coral;" name = "all">List All Professor Info</button>
18   <button type = submit style = "background-color:coral;" name = "ssn">SSN Class Search</button>
19   <button type = submit style = "background-color:coral;" name = "course_search">Course Grades Search</button>
20   <select name = "selection">
21     <option value = "" disabled selected>Select</option>
22     <option value = "ssn">SSN</option>
23     <option value = "sex">Sex</option>
24     <option value = "title">Title</option>
25     <option value = "salary">Salary</option>
26     <option value = "telephone">Telephone</option>
27     <option value = "address">Address</option>
28     <option value = "degree">Degree</option>
29   </select>
30   <button type = "submit" style = "background-color:coral;" name = "list" value = "selection" >View</button>
31 </form>
32
33 <?php
34 echo "<table border='1' cellspacing='2' cellpadding='2'>"; // Table Format
35
36 //
37 // COMPLETE
38 //
39 // Back to Main Menu
40 if(isset($_POST['main'])){
41   header("Location: index.php");
42 }
43
44 //
45 // COMPLETE
46 // -----
```

```

47    // To SSN Search
48    if(isset($_POST['ssn'])){
49        header("Location: prof_ss_search.php");
50    }
51
52 // -----
53 // COMPLETE
54 // -----
55 // To Course Search
56 if(isset($_POST['course_search'])){
57     header("Location: prof_course_search.php");
58 }
59
60 // -----
61 // COMPLETE
62 // -----
63 // Show table
64 if(isset($_POST['all'])){
65     // Select all professor info in SQL Database
66     $sql = "SELECT *
67         FROM Professors AS p
68         INNER JOIN Prof_Addresses AS a ON p.prof_ssn = a.prof_ssn
69         INNER JOIN Prof_Telephones AS t ON p.prof_ssn = t.prof_ssn
70         INNER JOIN Prof_Degrees AS d ON p.prof_ssn = d.prof_ssn";
71
72     $result = mysqli_query($conn,$sql);           // Stores query from SQL selection
73     $result_check = mysqli_num_rows($result);      // Counts the number of row in the query, check for population
74
75     // Checks if query is populated
76     if ($result_check > 0){
77         echo "<tr><td>".
78             "<b>Name</b>". "</td><td>". "<b>SSN</b>". "</td><td>". "<b>Sex</b>". "</td><td>". "<b>Title</b>". "</td><td>".
79             "<b>Salary</b>". "</td><td>". "<b>Telephone</b>". "</td><td>". "<b>Address</b>". "</td><td>". "<b>Degree</b>".
80             "</td></tr>". 
81     // Loop through query, row by row and output
82     while ($row = mysqli_fetch_assoc($result)){
83         echo "<tr><td>".
84             $row["prof_fname"]. " . $row["prof_lname"]. "</td><td>". $row["prof_ssn"]. "</td><td>" .
85             $row["sex"]. "</td><td>". $row["title"]. "</td><td>". $row["salary"]. "</td><td>" .
86             $row["area_code"]. " / ". $row["telephone"]. "</td><td>". $row["street_address"]. " , " .
87             $row["city"]. " , " . $row["state"]. " , " . $row["zip"]. "</td><td>". $row["degree_name"] .
88             "</td></tr>". 
89     }
90 }
91 } else{
92 }
93
94     echo " 0 results";
95
96 }
97
98
99 // -----
100 // COMPLETE
101 // -----
102 // Show selected values from dropdown
103 else if(isset($_POST['list'])){
104     $dropdown_val = $_POST['selection'];           // Stores dropdown selection
105     // Select all professor info in SQL Database
106     $sql = "SELECT *
107         FROM Professors AS p
108         INNER JOIN Prof_Addresses AS a ON p.prof_ssn = a.prof_ssn
109         INNER JOIN Prof_Telephones AS t ON p.prof_ssn = t.prof_ssn
110         INNER JOIN Prof_Degrees AS d ON p.prof_ssn = d.prof_ssn";
111
112     $result = mysqli_query($conn, $sql);           // Stores query from SQL selection
113     $result_check = mysqli_num_rows($result);      // Counts the number of row in the query, check for population
114
115     // Checks if query is populated, then checks dropdown values for output
116     if($result_check > 0){
117         if ($dropdown_val == 'ssn'){
118             echo "<tr><th>Name</th><th>SSN</th></tr>". 
119             while ($row = mysqli_fetch_assoc($result)){
120                 echo "<tr><td>". $row['prof_fname']. " . $row['prof_lname']. "</td><td>". 
121                     $row['prof_ssn']. "</td></tr>". 
122             }
123         }
124         else if($dropdown_val == 'title'){
125             echo "<tr><th>Name</th><th>Title</th></tr>". 
126             while ($row = mysqli_fetch_assoc($result)){
127                 echo "<tr><td>". $row['prof_fname']. " . $row['prof_lname']. "</td><td>". 
128                     $row['title']. "</td></tr>". 
129             }
130         }
131         else if($dropdown_val == 'sex'){
132             echo "<tr><th>Name</th><th>Sex</th></tr>". 
133             while ($row = mysqli_fetch_assoc($result)){
134                 echo "<tr><td>". $row['prof_fname']. " . $row['prof_lname']. "</td><td>". 
135                     $row['sex']. "</td></tr>". 
136             }
137         }
138     else if($dropdown_val == 'salary'){

```

```

125     echo "<tr><th>Name</th><th>Title</th></tr>";
126     while ($row = mysqli_fetch_assoc($result)){
127         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
128             $row['title'] . "</td></tr>";
129     }
130 }
131 else if($dropdown_val == 'sex'){
132     echo "<tr><th>Name</th><th>Sex</th></tr>";
133     while ($row = mysqli_fetch_assoc($result)){
134         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
135             $row['sex'] . "</td></tr>";
136     }
137 }
138 else if($dropdown_val == 'salary'){
139     echo "<tr><th>Name</th><th>Salary</th></tr>";
140     while ($row = mysqli_fetch_assoc($result)){
141         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
142             $row['salary'] . "</td></tr>";
143     }
144 }
145 else if($dropdown_val == 'address'){
146     echo "<tr><th>Name</th><th>Address</th></tr>";
147     while ($row = mysqli_fetch_assoc($result)){
148         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
149             $row['street_address'].",".$row['city'].",". 
150             $row['state'].",".$row['zip'] . "</td></tr>";
151     }
152 }
153 else if($dropdown_val == 'telephone'){
154     echo "<tr><th>Name</th><th>Telephone #</th></tr>";
155     while ($row = mysqli_fetch_assoc($result)){
156         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
157             $row['area_code']."/".$row['telephone'] . "</td></tr>";
158     }
159 }
160 else if($dropdown_val == 'degree'){
161     echo "<tr><th>Name</th><th>Degree</th></tr>";
162     while ($row = mysqli_fetch_assoc($result)){
163         echo "<tr><td>".$row['prof_fname'].",".$row['prof_lname']. "</td><td>". 
164             $row['degree_name'] . "</td></tr>";
165     }
166 }
167 }
168 }
169 // -----
170 ?>

```

prof_course_search.php

```

1 <?php
2     include_once 'sql_connect.php';
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Professor Course Search</title>
9     </head>
10    <style>
11    </style>
12    <body>
13        <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Professor Tab</h1>
14        <h2 style = "font-size:large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Professor Course Search</h2>
15
16        <form method = "POST">
17            <button type = submit style = "background-color:coral;" name = "main">Main Menu</button>
18            <button type = submit style = "background-color:coral;" name = "prof">Back to Professor Tab</button>
19
20            <input type = "text" name = "search" placeholder = "Search Course #>
21            <button type = "submit" style = "background-color:coral;" name = "submit_search">Search</button>
22        </input>
23
24        <!-- <input type = "text" name = "search_sec" placeholder = "Search Section #>
25        <button type = "submit" style = "background-color:coral;" name = "submit_search_sec">Search</button>
26        </input> -->
27
28    </form>
29
30
31 <?php
32     echo "<table border='1' cellspacing='2' cellpadding='2'>";      // Table Format
33 // -----
34 // COMPLETE
35 // -----
36 // Back to Main Menu
37     if(isset($_POST['main'])){
38         header("Location: index.php");
39     }
40
41 // -----
42 // COMPLETE
43 // -----
44 // Back to Professor Tab
45     else if(isset($_POST['prof'])){
46         header("Location: professor.php");
47     }
48
49 // -----
50 // COMPLETE
51 // -----
52     else if(isset($_POST['search'])){
53         $search = mysqli_real_escape_string($conn, $_POST['search']);      // Stores text value
54         header("Location: prof_section.php?course=$search");
55     }
56 // -----
57 ?>

```

prof_section.php

```
1 <?php
2     include_once 'sql_connect.php';
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Professor Course Search</title>
9     </head>
10    <style>
11    </style>
12    <body>
13        <h3 style = "font-size:large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Section Search</h3>
14
15        <form method = "POST">
16            <button type = submit style = "background-color:coral;" name = "main">Main Menu</button>
17            <button type = submit style = "background-color:coral;" name = "prof">Back to Professor Tab</button>
18            <button type = submit style = "background-color:coral;" name = "course">Back to Course Search</button>
19
20            <input type = "text" name = "search" placeholder = "Search Section #">
21                <button type = "submit" style = "background-color:coral;" name = "submit_search">Search</button>
22        </input>
23
24
25    </form>
26
27
28    <?php
29        echo "<table border='1' cellspacing='2' cellpadding='2'>";      // Table Format
30    // -----
31    // COMPLETE
32    // -----
33        // Back to Main Menu
34        if(isset($_POST['main'])){
35            header("Location: index.php");
36        }
37
38    // -----
39    // COMPLETE
40    // -----
41        // Back to Professor Tab
42        else if(isset($_POST['prof'])){
43            header("Location: professor.php");
44        }
45
46    // -----
47        header("Location: professor.php");
48
49    // -----
50    // COMPLETE
51    // -----
52        // Back to Professor Tab
53        else if(isset($_POST['course'])){
54            header("Location: prof_course_search.php");
55        }
56
57    // -----
58    // COMPLETE
59    // -----
60        else if(isset($_POST['search'])){
61            $course = $_GET['course'];
62            $search_sec = mysqli_real_escape_string($conn, $_POST['search']);           // Stores text value
63            // Select grades from records and count each distinct one
64            $sql = "SELECT e.grade, count(*) AS T
65                FROM Courses AS c
66                    INNER JOIN Sections AS s ON s.course_num = c.course_number
67                    INNER JOIN Enroll_Records AS e ON e.section_id = s.section_id
68                    WHERE s.section_number = '$search_sec' AND c.course_number = '$course'
69                    GROUP BY grade;";
70
71            $result = mysqli_query($conn, $sql);          // Stores query from SQL selection
72            $result_check = mysqli_num_rows($result);       // Counts the number of row in the query, check for population
73
74            // Checks if query is populated
75            if ($result_check > 0) {
76                echo "<tr><th>Course #</th><th>Section #</th><th>Grade</th><th># of</th></tr>";
77                // Loop through query, row by row and output
78                while($row = mysqli_fetch_assoc($result)) {
79                    echo "<tr><td>". $course."</td><td>". $search_sec."</td><td>". $row['grade']. "</td><td>". $row['T']. "</td></tr>";
80
81                }
82            }
83        }
84        else {
85            echo "0 results";
86        }
87    }
88 }
```

prof_ssn_search.php

```
1 <?php
2     include_once 'sql_connect.php';      // SQL Server Connection
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Professor SSN Search</title>
9     </head>
10    <style>
11    </style>
12    <body>
13        <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Professor Tab</h1>
14        <h2 style = "font-size:large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Professor SSN Search</h2>
15
16        <form method = "POST">
17            <button type = submit style = "background-color:coral;" name = "main">Main Menu</button>
18            <button type = submit style = "background-color:coral;" name = "prof">Back to Professor Tab</button>
19
20            <input type = "text" name = "search" placeholder = "Search SSN For Class Info">
21                <button type = "submit" style = "background-color:coral;" name = "submit_search">Search</button>
22        </input>
23
24    </form>
25
26
27 <?php
28     echo "<table border='1' cellspacing='2' cellpadding='2'>";      // Table Format
29 // -----
30 // COMPLETE
31 // -----
32 // Back to Main Menu
33 if(isset($_POST['main'])){
34     header("Location: index.php");
35 }
36
37 // -----
38 // COMPLETE
39 // -----
40 // Back to Professor Tab
41 if(isset($_POST['prof'])){
42     header("Location: professor.php");
43 }
44
45 // -----
46 // COMPLETE
47 // -----
48 else if(isset($_POST['search'])){
49     $search = mysqli_real_escape_string($conn, $_POST['search']);      // Stores text value
50     // Selects all Sections taught by a certain professor through SSN
51     $sql = "SELECT *
52             FROM Professors AS p
53             INNER JOIN Sections AS s ON p.prof_ssn = s.professor_ssn
54             INNER JOIN Courses AS c ON s.course_num = c.course_number
55             WHERE p.prof_ssn = '$search';";
56
57     $result = mysqli_query($conn, $sql);      // Stores query from SQL selection
58     $result_check = mysqli_num_rows($result);      // Counts the number of row in the query, check for population
59
60     // Checks if query is populated
61     if ($result_check > 0) {
62         echo "<tr><th>Prof_Name</th><th>Prof_SSN</th><th>Title</th><th>Course #</th><th>
63             Section #</th><th>Classroom</th><th>Meeting Days</th><th>Beginning Time</th><th>End Time</th>";
64         // Loop through query, row by row and output
65         while($row = mysqli_fetch_assoc($result)) {
66             echo "<tr><td>".
67                 $row['prof_fname']."' ".$row['prof_lname']."'.</td><td>".
68                 $row['prof_ssn']."'.</td><td>".$row['title']."'.</td><td>".
69                 $row['course_number']."'.</td><td>".$row['section_number']."'.</td><td>".
70                 $row['classroom']."'.</td><td>".$row['meeting_days']."'.</td><td>".
71                 $row['beginning_time']."'.</td><td>".$row['end_time']."'".
72                 "</td></tr>";
73         }
74     }
75     else {
76         echo "0 results";
77     }
78 }
79 // -----
80 ?>
```

SQL Inputs

```
SQL_Inputs - Notepad
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STUDENTS
INSERT INTO Students (student_fname, student_lname, cwid, student_address, telephone, major)
VALUES ('Daniel', 'Hicks', '887766554', '765 Tree Rd., Glendale, CA, 98765 ', '7148372832','1232');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, telephone, major)
VALUES ('Andrea', 'Guzman', '884762351', '8392 Olive St., Riverside, CA, 93265', '9098373322','1232');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, student_telephone, major)
VALUES ('Thomas', 'Chang', '887652362', '932 Grove St., Riverside, CA, 93275', '9098343422','1232');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, student_telephone, major)
VALUES ('Christian', 'Lu', '882837562', '342 Clover St., Anaheim, CA, 93435', '7148379283','1232');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, student_telephone, major)
VALUES ('Beverly', 'Gonzolez', '886644362', '1231 Hill St., Menifee, CA, 92573', '9091322122','3214');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, student_telephone, major)
VALUES ('Alex', 'Wong', '881725032', '312 Canal Ave., Perris, CA, 92573', '9093328122','3214');
INSERT INTO Students (student_fname, student_lname, cwid, student_address, student_telephone, major)
VALUES ('Kristina', 'Yamasaki', '8863211632', '987 Rose St., Temple City, CA, 92273', '6263427543','3214');

-----
PROFESSORS
INSERT INTO Professors (prof_fname, prof_lname, prof_ssn, title, salary, dept_num)
VALUES ('Danny', 'Lawford', '949003210', 'Doctor', '90000', '1232');
INSERT INTO Professors (prof_fname, prof_lname, prof_ssn, title, salary, dept_num)
VALUES ('Shawn', 'Wang', '983926549', 'Professor', '96000', '1232');
INSERT INTO Professors (prof_fname, prof_lname, prof_ssn, title, salary, dept_num)
VALUES ('Crystal', 'Lang', '999922149', 'Professor', '88000', '3214');

-----
DEPARTMENT
INSERT INTO Departments (dept_number, dept_name, office_location, chairperson, telephone)
VALUES ('1232', 'Computer Science', 'ECS Building Room 201', 'George Mckinnney', '7148372832');
INSERT INTO Departments (dept_number, dept_name, office_location, chairperson, telephone)
VALUES ('3214', 'Mathematics', 'McCarthy Building Room 502', 'Kimberly Tai', '7146374432');

-----
COURSES
INSERT INTO Courses(course_number, title, textbook, units, prereq, dept_num)
VALUES ('332', 'File Structure & Database', 'Fundamentals of Database Systems, Seventh Edition, by Ramez Elmasri & Shamkant B. Navathe', '3', 'CPSC 131','1232');
INSERT INTO Courses(course_number, title, textbook, units, prereq, dept_num)
VALUES ('351', 'Operating System Concepts', 'Operating System Concepts, 10th edition, digital version, 2018, Silberschatz, Gagne, and Galvin', '3', 'CPSC 131','1232');
INSERT INTO Courses(course_number, title, textbook, units, prereq, dept_num)
VALUES ('151', 'Geometry B', 'Geometry, 11th edition, digital version, 2020, Smith, Rogers, and Maryland', '3', 'Math 150','3214');
INSERT INTO Courses(course_number, title, textbook, units, prereq, dept_num)
VALUES ('251', 'Calculus B', 'Calculus, 10th edition, digital version, 2019, Smith, Ross, and Galvin', '3', 'Math 250','3214');

-----
SECTIONS
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('1','1', 'Online', '30', 'Monday & Wednesday', '2:30pm', '4:00pm', '332', '983926549');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('2','1', 'CS-201', '25', 'Tuesday', '5:00pm', '8:00pm', '351', '949003210');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('3','2', 'Online', '30', 'Tuesday & Thursday', '1:30pm', '3:00pm', '332', '983926549');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('11','1', 'Online', '30', 'Friday', '01:30pm', '5:00pm', '151', '999922149');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('12','2', 'Online', '30', 'Tuesday & Thursday', '1:30pm', '3:00pm', '151', '983926549');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('21','1', 'Online', '30', 'Saturday', '12:30pm', '4:45pm', '251', '999922149');
INSERT INTO Sections (section_id,section_number, classroom, num_of_seats, meeting_days, beginning_time, end_time, course_num, professor_ssn)
VALUES ('22','2', 'Online', '30', 'Wednesday', '5:30pm', '8:30pm', '251', '999922149');

-----
ENROLL RECORD
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '887766554');
```

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```
ENROLL RECORD
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '11', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('C+', '11', '887652362');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('C', '21', '887652362');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('C', '21', '887766554');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('B-', '21', '884762351');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('B', '11', '886644362');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A+', '12', '882837562');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '11', '882837562');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '1', '882837562');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '2', '882837562');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A-', '21', '882837562');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('B', '22', '886644362');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('D', '22', '881725032');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('B-', '12', '881725032');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A', '11', '881725032');
-----
```

```
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A+', '1', '881725032');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A+', '2', '881725032');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A+', '1', '8863211632');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A-', '2', '8863211632');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('B+', '12', '8863211632');
INSERT INTO Enroll_Records(grade, section_id, student_cwid)
VALUES ('A-', '22', '8863211632');
```

```

-----  

PROF_ADDRESS  

INSERT INTO Prof_Addresses (street_address, city, state, zip, prof_ssn)  

    VALUES ('1231 Tree St', 'Menifee', 'CA', '92548', '949003210');  

INSERT INTO Prof_Addresses(street_address, city, state, zip, prof_ssn)  

    VALUES ('2391 Orangethrope St', 'Fullerton', 'CA', '92833', '983926549');  

INSERT INTO Prof_Addresses(street_address, city, state, zip, prof_ssn)  

    VALUES ('3354 Pinenut Ave.', 'Fullerton', 'CA', '92833', '999922149');

-----  

PROF_TELEPHONE  

INSERT INTO Prof_Telephones(area_code, telephone, prof_ssn)  

    VALUES ('909', '1234567', '949003210');  

INSERT INTO Prof_Telephones (area_code, telephone, prof_ssn)  

    VALUES ('657', '8349231', '983926549');  

INSERT INTO Prof_Telephones (area_code, telephone, prof_ssn)  

    VALUES ('657', '9088821', '999922149');

-----  

PROF_DEGREES  

INSERT INTO Prof_Degrees (degree_name, prof_ssn)  

    VALUES ('PHD Computer Science', '949003210');  

INSERT INTO Prof_Degrees (degree_name, prof_ssn)  

    VALUES ('BS Mathematics', '983926549');  

INSERT INTO Prof_Degrees (degree_name, prof_ssn)  

    VALUES ('MS Computer Science', '983926549');  

INSERT INTO Prof_Degrees (degree_name, prof_ssn)  

    VALUES ('PHD Mathematics', '999922149');

-----  

STUDENT_MINORS  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('NOT DECLARED', '887766554');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('NOT DECLARED', '884762351');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('Mathematics', '887652362');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('Biology', '882837562');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('NOT DECLARED', '886644362');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('Art - Illustration', '8863211632');  

INSERT INTO Student_Minors(minor, student_cwid)  

    VALUES ('NOT DECLARED', '881725032');

```

sql_connect.php

```
1 <?php
2 $dbServername = "mariadb";
3 $dbUsername = "cs332s25";
4 $dbPassword = "rIJx0EZs";
5 $dbName = "cs332s25";
6
7
8 $conn = mysqli_connect($dbServername, $dbUsername, $dbPassword, $dbName);
9
10 if ($conn->connect_error){
11     die("Connection failed: " . $conn->connect_error);
12 }
13
14
15 // echo "Connected" . "<br>" . "Welcome to the CPSC 332 Database!" . "<br>";
16 ?>
```

student.php

```
1 <?php
2     include_once 'sql_connect.php'; // SQL Server Connection
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Database Homepage </title>
9 </head>
10 <style>
11 </style>
12 <body>
13 <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Student Table</h1>
14
15 <form method = "post">
16     <button type = submit style = "background-color:coral;" name = "main">Main Menu</button>
17     <button type = submit style = "background-color:coral;" name = "all">Print Table</button>
18     <button type = submit style = "background-color:coral;" name = "course_search">Course Search</button>
19     <button type = submit style = "background-color:coral;" name = "cwid_search">CWID Grade Search</button>
20     <select name = "selection">
21         <option value = "" disabled selected>Select</option>
22         <option value = "cwid">CWID</option>
23         <option value = "address">Address</option>
24         <option value = "telephone">Telephone</option>
25         <option value = "major">Major</option>
26         <option value = "minors">Minors</option>
27     </select>
28     <button type = "submit" style = "background-color:coral;" name = "list" value = "selection" >View</button>
29 </form>
30
31 <?php
32 echo "<table border='1' cellspacing='2' cellpadding='2'>";
33 // -----
34 // COMPLETE
35 // -----
36 // Back to main menu
37 if(isset($_POST['main'])){
38     header("Location: index.php");
39 }
40
41 // -----
42 // COMPLETE
43 // -----
44 // Back to Course Search
45 if(isset($_POST['course_search'])){
46     header("Location: student_course_search.php");
47 }
48
49 // -----
50 // COMPLETE
51 // -----
52 // To CWID Search
53 if(isset($_POST['cwid_search'])){
54     header("Location: student_cwid_search.php");
55 }
56
57 // -----
58 // COMPLETE
59 // -----
60 // Show table
61 if(isset($_POST['all'])){
62     // Selects all student info
63     $sql = "SELECT *
64             FROM Students AS s
65             INNER JOIN Departments AS d ON s.major = d.dept_number
66             INNER JOIN Student_Minors AS m ON s.cwid = m.student_cwid";
67
68     $result = mysqli_query($conn, $sql); // Stores query from SQL selection
69     $result_check = mysqli_num_rows($result); // Counts the number of row in the query, check for population
70
71     // Checks if query is populated
72     if ($result_check > 0){
73         echo "<tr><th>Name</th><th>CWID</th><th>Address</th><th>Telephone</th><th>Major</th><th>Minor(s)</th></tr>";
74         // Loop through query, row by row and output
75         while ($row = mysqli_fetch_assoc($result)){
76             echo "<tr><td>" . $row['student_fname'] . " " . $row['student_lname'] . "</td><td>" .
77                 $row['cwid'] . "</td><td>" . $row['student_address'] . "</td><td>" .
78                 $row['student_telephone'] . "</td><td>" . $row['dept_name'] . "</td><td>" . $row['minor'] .
79                 "</td></tr>";
80         }
81     } else{
82         echo " 0 results";
83     }
84 }
85
86
87 // -----
88 // COMPLETE
89 // -----
90 // Show selected values from dropdown
91 else if(isset($_POST['list'])){
92     $dropdown_val = $_POST['selection']; // Stores dropdown selection
93     // Select all nonforeign info in CWI Database
94 }
```

```

93 // Select all professor info in SQL Database
94 $sql = "SELECT *
95   FROM Students AS s
96     INNER JOIN Departments AS d ON s.major = d.dept_number
97     INNER JOIN Student_Minors AS m ON s.cwid = m.student_cwid;";
98
99 $result = $conn->query($sql);           // Stores query from SQL selection
100 $result_check = mysqli_num_rows($result); // Counts the number of row in the query, check for population
101
102 // Checks if query is populated, then checks dropdown values for output
103 if ($result_check > 0){
104   if($dropdown_val == 'cwid'){
105     echo "<tr><th>Name</th><th>CWID</th></tr>";
106     while ($row = mysqli_fetch_assoc($result)){
107       echo "<tr><td>" . $row['student_fname'] . " ." . $row['student_lname'] . "</td><td>" .
108         $row['cwid'] . "</td></tr>";
109     }
110   }
111   else if($dropdown_val == 'address'){
112     echo "<tr><th>Name</th><th>Address</th></tr>";
113     while ($row = mysqli_fetch_assoc($result)){
114       echo "<tr><td>" . $row['student_fname'] . " ." . $row['student_lname'] . "</td><td>" .
115         $row['student_address'] . "</td></tr>";
116     }
117   }
118   else if($dropdown_val == 'telephone'){
119     echo "<tr><th>Name</th><th>Telephone #</th></tr>";
120     while ($row = mysqli_fetch_assoc($result)){
121       echo "<tr><td>" . $row['student_fname'] . " ." . $row['student_lname'] . "</td><td>" .
122         $row['telephone'] . "</td></tr>";
123     }
124   }
125   else if($dropdown_val == 'major'){
126     echo "<tr><th>Name</th><th>Major</th></tr>";
127     while ($row = mysqli_fetch_assoc($result)){
128       echo "<tr><td>" . $row['student_fname'] . " ." . $row['student_lname'] . "</td><td>" .
129         $row['dept_name'] . "</td></tr>";
130     }
131   }
132   else if($dropdown_val == 'minors'){
133     echo "<tr><th>Name</th><th>Minor(s)</th></tr>";
134     while ($row = mysqli_fetch_assoc($result)){
135       echo "<tr><td>" . $row['student_fname'] . " ." . $row['student_lname'] . "</td><td>" .
136         $row['minor'] . "</td></tr>";
137     }
138   }
139 }
140 else{
141   echo " 0 results" . "<br>";
142 }
143 }
144 // -----
145 ?>

```

student_cwid_search.php

```
1 <?php
2     include_once 'sql_connect.php';      // SQL Server Connection
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Student CWID Search</title>
9     </head>
10    <style>
11    </style>
12    <body>
13        <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Student Table</h1>
14        <h2 style = "font-size:large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Student CWID Search</h2>
15
16        <form method = "post">
17            <button type = submit style = "background-color:coral;" name = "main" value = "Main">Main Menu</button>
18            <button type = submit style = "background-color:coral;" name = "student" value = "Student">Back to Student Tab</button>
19
20            <input type = "text" name = "search_cwid" placeholder="Enter CWID">
21            <button type = "submit" style = "background-color:coral;" name = "search_submit_cwid" >Search</button>
22        </input>
23    </form>
24
25    <?php
26        echo "<table border='1' cellspacing='2' cellpadding='2'>";
27 // -----
28 // COMPLETE
29 //
30 // Back to Main Menu
31     if(isset($_POST['main'])){
32         header("Location: index.php");
33     }
34
35 // -----
36 // COMPLETE
37 //
38 // Back to Student Tab
39     else if(isset($_POST['student'])){
40         header("Location: student.php");
41     }
42
43 // -----
44 // COMPLETE
45 //
46     else if(isset($_POST['search_cwid'])){

-- '
34
35 // -----
36 // COMPLETE
37 //
38 // Back to Student Tab
39     else if(isset($_POST['student'])){
40         header("Location: student.php");
41     }
42
43 // -----
44 // COMPLETE
45 //
46     else if(isset($_POST['search_cwid'])){
47         $search = mysqli_real_escape_string($conn, $_POST['search_cwid']);           // Stores text value
48         // Selects all Students and their grades for all classes taken
49         $sql = "SELECT DISTINCT "
50             FROM Students AS st
51             INNER JOIN Enroll_Records AS e ON e.student_cwid = st.cwid
52             INNER JOIN Sections AS s ON s.section_id = e.section_id
53             INNER JOIN Courses AS c ON c.course_number = s.course_num
54             WHERE st.cwid = '$search';
55
56         $result = mysqli_query($conn, $sql);           // Stores query from SQL selection
57         $result_check = mysqli_num_rows($result);       // Counts the number of row in the query, check for population
58
59         // Checks if query is populated
60         if ($result_check > 0){
61             echo "<tr><th>CWID</th><th>Student Name</th><th>Course #</th><th>
62             Course Name #</th><th>Grade</th></tr>";
63             // Loop through query, row by row and output
64             while ($row = mysqli_fetch_assoc($result)){
65                 echo "<tr><td>" .
66                     $search."</td><td>".$row['student_fname']."' .
67                     $row['student_lname']."' .</td><td>" .
68                     $row['course_number']."' .</td><td>" .
69                     $row['title']."' .</td><td>" .
70                     $row['grade']."' .
71                     "</td></tr>";
72             }
73         }
74     else{
75         echo "0 results" . "<br>";
76     }
77 }
78 // -----
79 ?>
```

student_course_search.php

```
1 <?php
2     include_once 'sql_connect.php';      // SQL Server Connection
3 ?>
4
5 <html>
6     <head>
7         <meta charset="UTF-8">
8         <title>Student Course Search</title>
9     </head>
10    <style>
11    </style>
12    <body>
13        <h1 style = "font-size:xx-large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Student Table</h1>
14        <h2 style = "font-size:large; color:royalblue; text-align:left; font-family:Copperplate; background-color:aliceblue; outline-color:black">Student Course Search</h2>
15
16        <form method = "post">
17            <button type = submit style = "background-color:coral;" name = "main" value = "Main">Main Menu</button>
18            <button type = submit style = "background-color:coral;" name = "student" value = "Student">Back to Student Tab</button>
19
20            <input type = "text" name = "search_course" placeholder="Enter Course #">
21            <button type = "submit" style = "background-color:coral;" name = "search_submit_course" >Search</button>
22        </input>
23
24    </form>
25
26    <?php
27        echo "<table border='1' cellspacing='2' cellpadding='2'>";
28 // -----
29 // COMPLETE
30 // -----
31     // Back to main menu
32     if(isset($_POST['main'])){
33         header("Location: index.php");
34     }
35
36 // -----
37 // COMPLETE
38 // -----
39     // Back to student
40     else if(isset($_POST['student'])){
41         header("Location: student.php");
42     }
43
44 // -----
45 // COMPLETE
46 // -----
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79 // -----
79 ?>
```

tables.php

```
1 <?php
2     include_once 'sql_connect.php';
3 ?>
4
5 <?php
6 // CREATING TABLES
7 // -----
8
9 //     $sql = "CREATE TABLE Departments (
10 //         dept_number VARCHAR(20) NOT NULL PRIMARY KEY,
11 //         dept_name VARCHAR(20) NOT NULL,
12 //         office_Location VARCHAR(50) NOT NULL,
13 //         chairperson VARCHAR(50) NOT NULL,
14 //         telephone VARCHAR(10) NOT NULL
15 //         )";
16
17 //     if ($conn->query($sql) === TRUE) {
18 //         echo "Table Departments created successfully";
19 //     } else {
20 //         echo "Error creating table: " . $conn->error;
21 //     }
22
23 // -----
24
25 //     $sql = "CREATE TABLE Professors (
26 //         prof_fname VARCHAR(20) NOT NULL,
27 //         prof_lname VARCHAR(20) NOT NULL,
28 //         prof_ssn VARCHAR(9) NOT NULL PRIMARY KEY,
29 //         title VARCHAR(30),
30 //         salary VARCHAR(50) NOT NULL,
31 //         dept_num VARCHAR(20), FOREIGN KEY (dept_num) REFERENCES Departments(dept_number),
32 //         )";
33
34 //     if ($conn->query($sql) === TRUE) {
35 //         echo "Table Professors created successfully";
36 //     } else {
37 //         echo "Error creating table: " . $conn->error;
38 //     }
39
40 // -----
41
42 //     $sql = "CREATE TABLE Students (
43 //         student_fname VARCHAR(20) NOT NULL,
44 //         student_lname VARCHAR(20) NOT NULL,
45 //         cwid VARCHAR(30) NOT NULL PRIMARY KEY,
46 //         student_address VARCHAR(50) NOT NULL,
```

```

46//      student_address VARCHAR(50) NOT NULL,
47//      telephone VARCHAR(50) NOT NULL,
48//      major VARCHAR(30), FOREIGN KEY (major) REFERENCES Departments(dept_number),
49//      minors VARCHAR(50)
50//      )";
51
52//      if ($conn->query($sql) === TRUE) {
53//          echo "Table Students created successfully";
54//      } else {
55//          echo "Error creating table: " . $conn->error;
56//      }
57
58// -----
59
60//      $sql = "CREATE TABLE Sections (
61//          section_id VARCHAR(20) NOT NULL PRIMARY KEY,
62//          section_number VARCHAR(20) NOT NULL,
63//          classroom VARCHAR(30) NOT NULL,
64//          num_of_seats VARCHAR(30) NOT NULL,
65//          meeting_days VARCHAR(30) NOT NULL,
66//          beginning_time TIME(6) NOT NULL,
67//          end_time TIME(6) NOT NULL,
68//          course_num VARCHAR(20), FOREIGN KEY (course_num) REFERENCES Courses(course_number),
69//          professor_ssn VARCHAR(20), FOREIGN KEY (professor_ssn) REFERENCES Professors(prof_ssn)
70//          )";
71
72//      if ($conn->query($sql) === TRUE) {
73//          echo "Table Sections created successfully";
74//      } else {
75//          echo "Error creating table: " . $conn->error;
76//      }
77
78// -----
79
80//      $sql = "CREATE TABLE Courses (
81//          course_number VARCHAR(20) NOT NULL PRIMARY KEY,
82//          title VARCHAR(20) NOT NULL,
83//          textbook VARCHAR(20),
84//          units VARCHAR(10),
85//          prereq VARCHAR(30),
86//          dept_num VARCHAR(20), FOREIGN KEY (dept_num) REFERENCES Department(dept_number)
87//          )";
88
89//      if ($conn->query($sql) === TRUE) {
90//          echo "Table Courses created successfully";
91//      } else {
92//          echo "Error creating table: " . $conn->error;
93//
94//      }
95// -----
96
97//      $sql = "CREATE TABLE Prof_Degrees (
98//          degreee_name VARCHAR(50) NOT NULL,
99//          prof_ssn VARCHAR(50), FOREIGN KEY (prof_ssn) REFERENCES Professors(prof_ssn)
100//          )";
101
102//      if ($conn->query($sql) === TRUE) {
103//          echo "Table Prof_Degrees created successfully";
104//      } else {
105//          echo "Error creating table: " . $conn->error;
106//      }
107
108// -----
109
110//      $sql = "CREATE TABLE Prof_Addresses (
111//          street_address VARCHAR(50) NOT NULL,
112//          city VARCHAR(20) NOT NULL,
113//          state VARCHAR(20) NOT NULL,
114//          zip VARCHAR(10) NOT NULL,
115//          prof_ssn VARCHAR(50), FOREIGN KEY (prof_ssn) REFERENCES Professors(prof_ssn)
116//          )";
117
118//      if ($conn->query($sql) === TRUE) {
119//          echo "Table Prof_Addresses created successfully";
120//      } else {
121//          echo "Error creating table: " . $conn->error;
122//      }
123
124// -----
125
126//      $sql = "CREATE TABLE Prof_Telephones (
127//          telephone VARCHAR(7) NOT NULL,
128//          area_code VARCHAR(3) NOT NULL,
129//          prof_ssn VARCHAR(50), FOREIGN KEY (prof_ssn) REFERENCES Professors(prof_ssn)
130//          )";
131
132//      if ($conn->query($sql) === TRUE) {
133//          echo "Table Prof_Telephones created successfully";
134//      } else {
135//          echo "Error creating table: " . $conn->error;
136//      }
137
138// -----

```

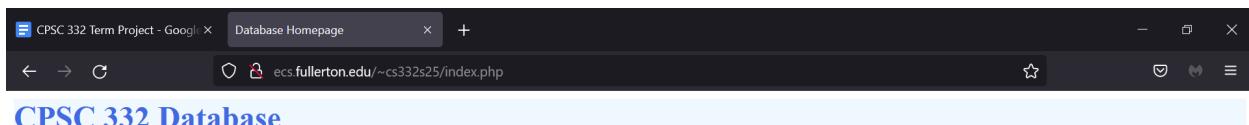
```

138 // -----
139
140 //     $sql = "CREATE TABLE Enroll_Records (
141 //         grade VARCHAR(3) NOT NULL,
142 //         section_id VARCHAR (20), FOREIGN KEY (course_num) REFERENCES Sections(section_id),
143 //         student_cwid VARCHAR(50), FOREIGN KEY (student_cwid) REFERENCES Students(cwid)
144 //     )";
145
146 //     if ($conn->query($sql) === TRUE) {
147 //         echo "Table Prof_Telephones created successfully";
148 //     } else {
149 //         echo "Error creating table: " . $conn->error;
150 //     }
151
152 // -----
153
154 //     $sql = "CREATE TABLE Student_Minors (
155 //         minor VARCHAR(50),
156 //         student_cwid VARCHAR(10), FOREIGN KEY (student_cwid) REFERENCES Students(cwid)
157 //     )";
158
159 //     if ($conn->query($sql) === TRUE) {
160 //         echo "Table Sections created successfully";
161 //     } else {
162 //         echo "Error creating table: " . $conn->error;
163 //     }
164
165 // -----
166 //-
167     $conn->close();
168 ?>

```

INTERFACE

Homepage



CPSC 332 Database

Welcome to the CPSC 332 Database!

[Professors](#) [Students](#)

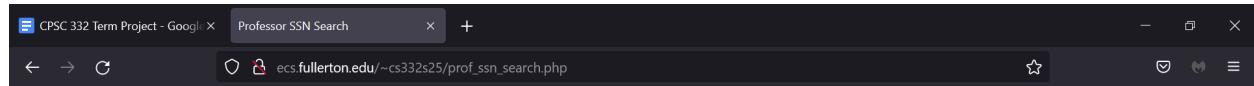
Professor Tab



Professor Tab

[Main Menu](#) [List All Professor Info](#) [SSN Class Search](#) [Course Grades Search](#) [Select](#) [View](#)

Professor SSN Search

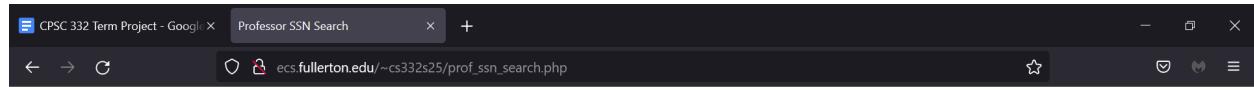


Professor Tab

Professor SSN Search

[Main Menu](#) [Back to Professor Tab](#) [Search SSN For Class In](#) [Search](#)

Professor SSN Search

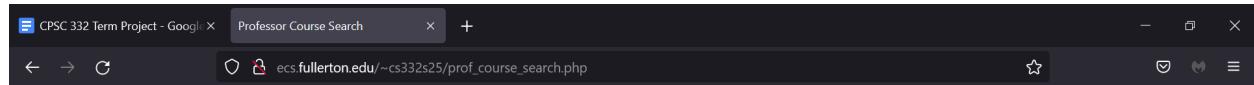


Professor Tab

Professor SSN Search

[Main Menu](#) [Back to Professor Tab](#) [Search SSN For Class In](#) [Search](#)

Professor Course Search



Professor Tab

Professor Course Search

[Main Menu](#) [Back to Professor Tab](#) [Search Course #](#) [Search](#)

Professor Section Search from Course Search

A screenshot of a web browser window. The title bar says "CPSC 332 Term Project - Google" and the tab is "Professor Course Search". The address bar shows "ecs.fullerton.edu/~cs332s25/prof_section.php?course=332". The main content area is titled "Section Search" and contains buttons for "Main Menu", "Back to Professor Tab", "Back to Course Search", a search input field "Search Section #", and a "Search" button.

Student Tab

A screenshot of a web browser window. The title bar says "CPSC 332 Term Project - Google" and the tab is "Database Homepage". The address bar shows "ecs.fullerton.edu/~cs332s25/student.php". The main content area is titled "Student Tab" and contains buttons for "Main Menu", "Print Table", "Course Search", "CWID Grade Search", "Select", and "View".

Student Course Search

A screenshot of a web browser window. The title bar says "CPSC 332 Term Project - Google" and the tab is "Student Course Search". The address bar shows "ecs.fullerton.edu/~cs332s25/student_course_search.php". The main content area is titled "Student Table" and contains buttons for "Main Menu", "Back to Student Tab", "Enter Course #", and "Search".

Student CWID Search

The screenshot shows a browser window with the title bar "CPSC 332 Term Project - Google" and the tab "Student CWID Search". The address bar contains "ecs.fullerton.edu/~cs332s25/student_cwid_search.php". The main content area is titled "Student Table" and contains a "Student CWID Search" form. The form includes buttons for "Main Menu", "Back to Student Tab", "Enter CWID", and "Search".

Student Table

Student CWID Search

[Main Menu](#) [Back to Student Tab](#) [Search](#)

SAMPLE INPUTS

Professor Tab Search through SSN

Professor Tab

Professor SSN Search

[Main Menu](#) [Back to Professor Tab](#) [Search](#)

Prof_Name	Prof_SSN	Title	Course #	Section #	Classroom	Meeting Days	Beginning Time	End Time
Shawn Wang	983926549	File Structure & Database	332	1	Online	Monday & Wednesday	2:30pm	4:00pm
Shawn Wang	983926549	File Structure & Database	332	2	Online	Tuesday & Thursday	10:30am	12:00pm

Professor Tab Search through Course # and then through Section

The screenshot shows a browser window with the title bar "CPSC 332 Term Project - Google" and the tab "Professor Course Search". The address bar contains "ecs.fullerton.edu/~cs332s25/prof_section.php?course=332". The main content area is titled "Section Search" and contains a "Professor Course Search" form. The form includes buttons for "Main Menu", "Back to Professor Tab", "Back to Course Search", "Search Section #", and "Search".

Section Search

[Main Menu](#) [Back to Professor Tab](#) [Back to Course Search](#) [Search](#)

Course #	Section #	Grade	# of
332	1	A	1
332	1	A+	2
332	1	A-	2
332	1	B+	1

Student Tab Search through CWID

A screenshot of a web browser window titled "CPSC 332 Term Project - Google". The tab bar shows "Student CWID Search". The address bar contains "ecs.fullerton.edu/~cs332s25/student_cwid_search.php". The main content area is titled "Student Table" and displays a table of student course enrollment. The table has columns: CWID, Student Name, Course #, Course Name #, and Grade. The data shows four entries for student Alex Wong with various course numbers and grades.

CWID	Student Name	Course #	Course Name #	Grade
881725032	Alex Wong	151	Geometry B	B-
881725032	Alex Wong	251	Calculus B	D
881725032	Alex Wong	332	File Structure & Database	A+
881725032	Alex Wong	351	Operating System Concepts	A+

Student Table

Student CWID Search

[Main Menu](#) [Back to Student Tab](#) [Search](#)

CWID	Student Name	Course #	Course Name #	Grade
881725032	Alex Wong	151	Geometry B	B-
881725032	Alex Wong	251	Calculus B	D
881725032	Alex Wong	332	File Structure & Database	A+
881725032	Alex Wong	351	Operating System Concepts	A+

Student Tab Search Through Course

A screenshot of a web browser window titled "CPSC 332 Term Project - Google". The tab bar shows "Student Course Search". The address bar contains "ecs.fullerton.edu/~cs332s25/student_course_search.php". The main content area is titled "Student Table" and displays a table of student course enrollment. The table has columns: Course #, Section #, Classroom, Meeting Days, Beginning Time, End Time, # of Enrolled Students, and # of Total Seats. The data shows two entries for course 332 with sections 1 and 2, meeting online on Monday/Wednesday and Tuesday/Thursday respectively.

Course #	Section #	Classroom	Meeting Days	Beginning Time	End Time	# of Enrolled Students	# of Total Seats
332	1	Online	Monday & Wednesday	2:30pm	4:00pm	6	30
332	2	Online	Tuesday & Thursday	10:30am	12:00pm	1	30

Student Table

Student Course Search

[Main Menu](#) [Back to Student Tab](#) [Search](#)

Course #	Section #	Classroom	Meeting Days	Beginning Time	End Time	# of Enrolled Students	# of Total Seats
332	1	Online	Monday & Wednesday	2:30pm	4:00pm	6	30
332	2	Online	Tuesday & Thursday	10:30am	12:00pm	1	30