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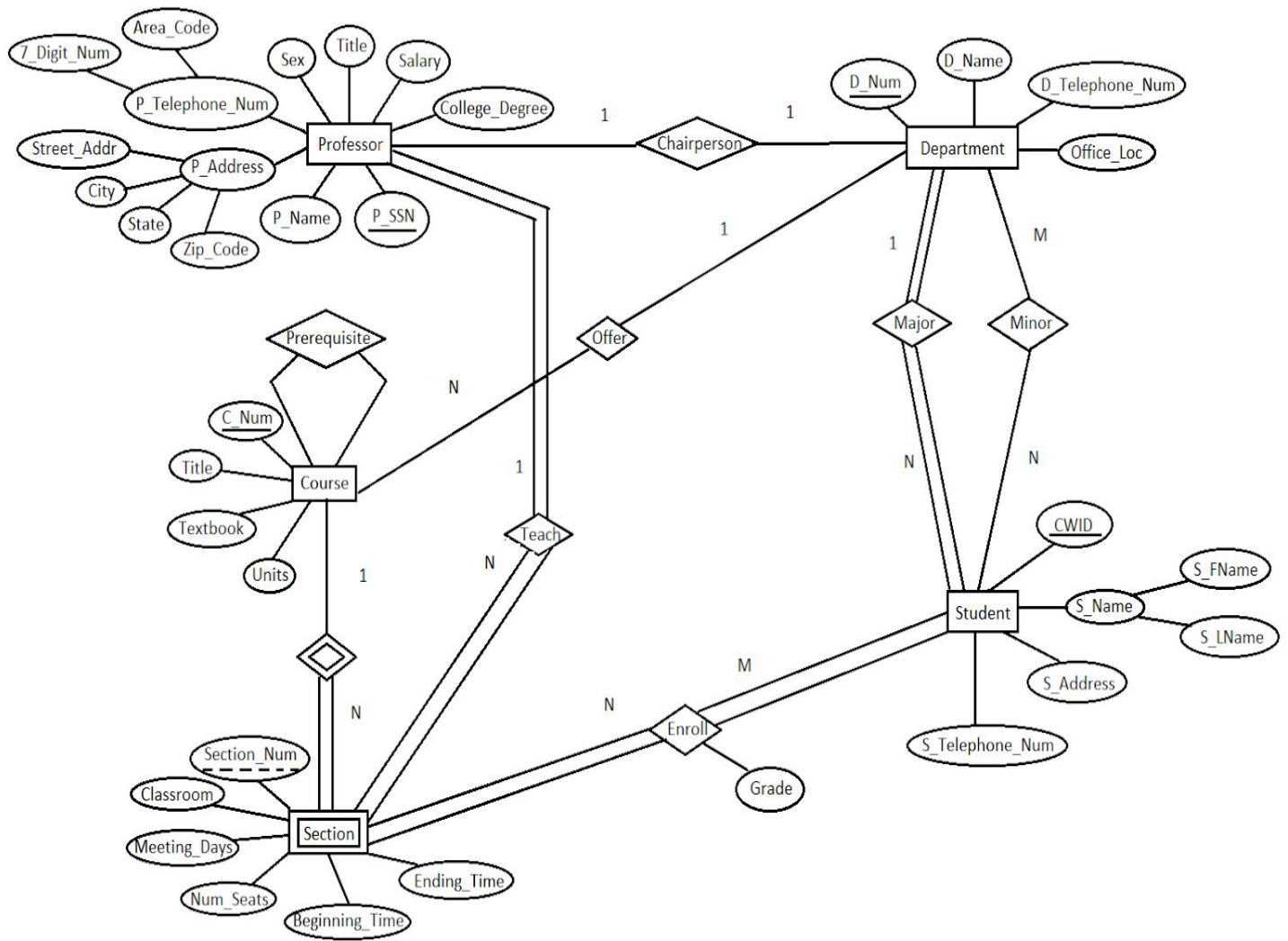
Samprayash Dahal

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Account Implemented:

<http://ecs.fullerton.edu/~cs332a8/>

ER Diagram



Relational Model



Source Code

MYSQL Code:

```
-- MySQL dump 10.14 Distrib 5.5.60-MariaDB, for Linux (x86_64)
--
-- Host: mariadb Database: cs332a8
--
-- Server version 5.5.60-MariaDB

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `Course`
--

DROP TABLE IF EXISTS `Course`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `Course` (
  `C_Number` varchar(5) NOT NULL,
  `C_Title` varchar(20) DEFAULT NULL,
  `C_Textbook` varchar(50) DEFAULT NULL,
  `C_Units` int(3) DEFAULT NULL,
  `D_Number` varchar(10) DEFAULT NULL,
  PRIMARY KEY (`C_Number`),
  KEY `D_Number` (`D_Number`),
  CONSTRAINT `Course_ibfk_1` FOREIGN KEY (`D_Number`) REFERENCES `Department` (`D_Number`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
```

-- Dumping data for table `Course`

--

LOCK TABLES `Course` WRITE;

/*!40000 ALTER TABLE `Course` DISABLE KEYS */;

INSERT INTO `Course` VALUES ('21543','Advance Circuit Tech','Fundamentals of Electricity',3,'214567'),('32154','Communication Studie','Introduction to Communication',3,'314567'),('43215','Java Programming','Head First Java',3,'14567'),('54321','Intro to Data Struct','Data Structure and Algorithms',3,'14567');

/*!40000 ALTER TABLE `Course` ENABLE KEYS */;

UNLOCK TABLES;

--

-- Table structure for table `Department`

--

DROP TABLE IF EXISTS `Department`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `Department` (

`D_Number` varchar(10) NOT NULL DEFAULT "",

`D_Name` varchar(50) DEFAULT NULL,

`D_TelephoneNum` varchar(16) DEFAULT NULL,

`Office_Location` varchar(20) DEFAULT NULL,

`P_SSN` int(9) DEFAULT NULL,

PRIMARY KEY (`D_Number`),

KEY `P_SSN` (`P_SSN`),

CONSTRAINT `Department_ibfk_1` FOREIGN KEY (`P_SSN`) REFERENCES `Professor` (`SSN`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

/*!40101 SET character_set_client = @saved_cs_client */;

--

-- Dumping data for table `Department`

--

LOCK TABLES `Department` WRITE;

/*!40000 ALTER TABLE `Department` DISABLE KEYS */;

INSERT INTO `Department` VALUES ('114567','Computer Science','9498795541','CS Room 506',234567891),('224567','Sports Communications','5234894424','C Room 402',123456789),('334567','MATH','6106674232','MATH 311',345678912);

/*!40000 ALTER TABLE `Department` ENABLE KEYS */;

UNLOCK TABLES;

```
--  
-- Table structure for table `Enrollment_Records`  
--
```

```
DROP TABLE IF EXISTS `Enrollment_Records`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `Enrollment_Records` (  
  `C_num` varchar(5) NOT NULL,  
  `Sec_num` varchar(2) NOT NULL,  
  `s_cwid` varchar(9) NOT NULL,  
  `Grade` varchar(2) DEFAULT NULL,  
  PRIMARY KEY (`C_num`,`Sec_num`,`s_cwid`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `Enrollment_Records`  
--
```

```
LOCK TABLES `Enrollment_Records` WRITE;  
/*!40000 ALTER TABLE `Enrollment_Records` DISABLE KEYS */;  
INSERT INTO `Enrollment_Records` VALUES  
(('21543','01','123456789','B+'),('21543','01','234567891','B'),('21543','01','345678912','B'),('21543','01','456789123','A-'),('21543','01','567891234','B+'),('21543','01','678912345','A-'),('21543','01','789123456','C-'),('21543','01','891234567','B'),('32154','01','123456789','B+'),('32154','01','234567891','A-'),('32154','01','345678912','C+'),('32154','01','456789123','B'),('32154','01','567891234','B+'),('32154','01','678912345','B-'),('32154','01','789123456','C+'),('32154','01','891234567','B'),('43215','01','222333444','B+'),('43215','02','111222333','A-'),('54321','01','111222333','B-'),('54321','02','222333444','B');  
/*!40000 ALTER TABLE `Enrollment_Records` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `Minor`  
--
```

```
DROP TABLE IF EXISTS `Minor`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `Minor` (  
  `d_num` varchar(10) NOT NULL,
```

```
`cwid` varchar(9) NOT NULL,  
PRIMARY KEY (`d_num`,`cwid`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `Minor`  
--
```

```
LOCK TABLES `Minor` WRITE;  
/*!40000 ALTER TABLE `Minor` DISABLE KEYS */;  
/*!40000 ALTER TABLE `Minor` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `Prequisite`  
--
```

```
DROP TABLE IF EXISTS `Prequisite`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `Prequisite` (  
  `C_Number` varchar(10) NOT NULL DEFAULT "",  
  `Pre_CNumber` varchar(10) NOT NULL DEFAULT "",  
  PRIMARY KEY (`C_Number`,`Pre_CNumber`),  
  CONSTRAINT `Prequisite_ibfk_1` FOREIGN KEY (`C_Number`) REFERENCES `Course` (`C_Number`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `Prequisite`  
--
```

```
LOCK TABLES `Prequisite` WRITE;  
/*!40000 ALTER TABLE `Prequisite` DISABLE KEYS */;  
/*!40000 ALTER TABLE `Prequisite` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `Professor`  
--
```

```

DROP TABLE IF EXISTS `Professor`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `Professor` (
  `SSN` int(9) NOT NULL DEFAULT '0',
  `P_Name` varchar(50) DEFAULT NULL,
  `P_Street` varchar(30) DEFAULT NULL,
  `P_City` varchar(30) DEFAULT NULL,
  `P_State` varchar(2) DEFAULT NULL,
  `P_Zipcode` int(5) DEFAULT NULL,
  `P_Area` int(3) DEFAULT NULL,
  `P_Phone` int(7) DEFAULT NULL,
  `P_Sex` char(1) DEFAULT NULL,
  `P_Title` varchar(5) DEFAULT NULL,
  `P_Salary` varchar(6) DEFAULT NULL,
  PRIMARY KEY (`SSN`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `Professor`
--

LOCK TABLES `Professor` WRITE;
/*!40000 ALTER TABLE `Professor` DISABLE KEYS */;
INSERT INTO `Professor` VALUES (123456789,'Angela Harris','22nd
Street','Westminster','CA',92684,714,4568741,'F','Mrs.','94,562'),(234567891,'Shwan Miller','4457 Dohney
St.','Fullerton','CA',98745,987,8874567,'M','DR.','97,547'),(345678912,'Edward Pedro','3667 Meyer St.','Los
Angeles','CA',32467,310,3214568,'M','Mr.','88,000');
/*!40000 ALTER TABLE `Professor` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `Section`
--

DROP TABLE IF EXISTS `Section`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `Section` (
  `Sec_C_Num` varchar(5) NOT NULL DEFAULT "",
  `Sec_Number` varchar(2) NOT NULL DEFAULT "",

```



```

`Classroom` varchar(8) DEFAULT NULL,
`Meeting_Days` varchar(10) DEFAULT NULL,
`Begin_Time` varchar(6) DEFAULT NULL,
`End_Time` varchar(6) DEFAULT NULL,
`Num_Seats` int(3) DEFAULT NULL,
`P_SSN` int(9) DEFAULT NULL,
PRIMARY KEY (`Sec_C_Num`,`Sec_Number`),
KEY `P_SSN` (`P_SSN`),
CONSTRAINT `Section_ibfk_1` FOREIGN KEY (`P_SSN`) REFERENCES `Professor` (`SSN`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `Section`
--

```

```

LOCK TABLES `Section` WRITE;
/*!40000 ALTER TABLE `Section` DISABLE KEYS */;
INSERT INTO `Section` VALUES ('21543','01','SC
102','Tu/Th','8:00AM','9:30AM',48,123456789),('21543','02','SC
102','Mon/Wed','8:00AM','9:30AM',48,123456789),('32154','01','CS
204','Mon/Wed','1:00PM','2:30PM',55,234567891),('32154','02','CS
204','Tu/Th','1:00PM','2:230P',55,234567891),('43215','01','MATH
338','Mon/Wed','3:00PM','4:30PM',45,345678912),('43215','02','MATH
338','Mon/Wed','5:00PM','6:30PM',45,345678912);
/*!40000 ALTER TABLE `Section` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `Student`
--

```

```

DROP TABLE IF EXISTS `Student`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `Student` (
  `cwid` varchar(9) NOT NULL,
  `fname` varchar(50) DEFAULT NULL,
  `lname` varchar(50) DEFAULT NULL,
  `address_st` varchar(50) DEFAULT NULL,
  `address_city` varchar(50) DEFAULT NULL,
  `address_state` varchar(50) DEFAULT NULL,

```

```

`address_zip` int(6) DEFAULT NULL,
`phone_area` int(3) DEFAULT NULL,
`phone_num` int(7) DEFAULT NULL,
`degree` varchar(50) DEFAULT NULL,
PRIMARY KEY (`cwid`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `Student`
--

LOCK TABLES `Student` WRITE;
/*!40000 ALTER TABLE `Student` DISABLE KEYS */;
INSERT INTO `Student` VALUES ('111222333','Sam','Smith','13 Grenada','Aliso
Viejo','CA',92656,949,7771234,'Masters in Chemistry'),('123456789','Josh','Smith','3520 Summerfield
Drive','Irvine','CA',92602,949,1234567,'Masters in Biology'),('222333444','Adam','Dahl','2510 Main St.','Costa
Mesa','CA',92630,714,5554567,'Bachelor\'s in Computer Science'),('234567891','Derrick','William','2450
Linden Blvd.','Santa Ana','CA',92701,714,2345671,'Bachelor\'s in
Communication'),('345678912','John','Lipinski','1323 Hummingbird Lane','San
Deigo','CA',91932,619,5312065,'Bachelor\'s in Computer Science'),('456789123','Caira','Kerr','3375 Michelle
Drive','Fullerton','CA',90621,714,3456712,'Masters in Electrical
Engineering'),('567891234','Natalia','Lima','2745 Hoover Drive','Laguna
Niguel','CA',92607,949,4567123,'Bachelor\'s in Physics'),('678912345','Alex','Salari','3648 Niguel Ave.','Aliso
Viejo','CA',92656,714,5671234,'Masters in Computer Science'),('789123456','Sasha','Swift','3336 Sunset
Blvd.','Hollywood','CA',90068,888,6712345,'Bachelor\'s in Health Science'),('891234567','Jose','Pedro','2558
Camino Rioja','Laguna Niguel','CA',92677,949,5587497,'Bachelor\'s in Business Administration');
/*!40000 ALTER TABLE `Student` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2018-12-19 0:55:37

```

```
/**
 * index.html
 **/
<html>
<body>
  <center>
    <!-- Button that takes user to Professor page -->
    <form action="prof_index.html">
      <input type="submit" value="Professor" />
    </form>

    <!-- Button that takes user to Student page -->
    <form action="student_index.html">
      <input type="submit" value="Student" />
    </form>

  </center>

</body>
</html>
```

```
/**
 * prof_index.html
 **/
<html>
<body>

  <center>
    PROFESSOR
    <!-- Button that takes user to Professor Class (Option A) page -->
    <form action="prof_classes.html">
      <input type="submit" value="Classes" />
    </form>

    <!-- Button that takes user to Professor Grades (Option B) page -->
    <form action="prof_grades.html">
      <input type="submit" value="Grades" />
    </form>
  </center>
</body>
</html>
```

```
</form>
```

```
<!-- Back button -->
```

```
<button onclick="goBack()">Go Back</button>
```

```
</center>
```

```
<!-- Function for Back button -->
```

```
<script>
```

```
    function goBack() {  
        window.history.back()  
    }
```

```
</script>
```

```
</body>
```

```
</html>
```

```
/**
```

```
* student_index.html
```

```
**/
```

```
<html>
```

```
<body>
```

```
<center>
```

```
    STUDENT
```

```
<!-- Button that takes user to Student Class (Option A) page -->
```

```
<form action="student_classes.html">
```

```
    <input type="submit" value="Classes" />
```

```
</form>
```

```
<!-- Button that takes user to Student Grades (Option B) page -->
```

```
<form action="student_grades.html">
```

```
    <input type="submit" value="Grades" />
```

```
</form>
```

```
<!-- Back button -->
```

```
<button onclick="goBack()">Go Back</button>
```

```
</center>
```

```

<!-- Function for Back button -->
<script>
    function goBack() {
        window.history.back()
    }
</script>

</body>
</html>

/**
 * prof_classes.html
 **/
<html>
<body>
    <center>
        PROFESSOR CLASSES
        <!-- Form 1 -->
        <div id="frm1">
            <!-- Sends data to be processed to "data_process1.php" file by POST method -->
            <form action="prof_class_data.php" method="POST">
                <p>
                    <label>SSN:</label> <!-- Display "SSN:" -->
                    <input type="text" id="user" name="prof_ssn" /> <!-- user input box -->
                </p>

                <p>
                    <input type="submit" id="btn" name="p_login1" /> <!-- Submit button -->
                </p>

            </form>

        </div>

        <!-- Back button -->
        <button onclick="goBack()">Go Back</button>

    </center>

    <!-- Function for Back button -->

```

```

<script>
    function goBack() {
        window.history.back()
    }
</script>

</body>
</html>

```

```

/**
 * prof_class_data.php
 **/

```

```

<html>
<body>

```

```

<center>
    <!-- Start of PHP block -->
    <?php

```

```

        $dbHost = 'mariadb';
        $dbUsername = 'cs332a8';
        $dbPassword = 'ohkusash';

```

```

        // Connection with MySQL Relational DBMS
        $mysql_conn = mysql_connect($dbHost, $dbUsername, $dbPassword);

```

```

        // if unsuccessful connecting to MySQL Relational DBMS
        if (! $mysql_conn ) {
            die('Unable to connect to host MariaDB' . mysql_error());
        }

```

```

        // if successful
        $db_selection = mysql_select_db($dbUsername, $mysql_conn);

```

```

        echo 'Connection with database was successful', "<br>";

```

```

        echo "<br>";

```

```

        $search = "SELECT C_Title, Classroom, Meeting_Days, Begin_Time, End_Time
                   FROM Professor, Course, Section
                   WHERE SSN = P_SSN

```

```
AND C_Number = Sec_C_Num
AND SSN =" . $_POST["prof_ssn"];
```

```
$result = mysql_query($search, $mysql_conn) or die(mysql_error());
```

```
$index = 0;
```

```
if ($index < mysql_numrows($result)) {
```

```
    echo "Professor SSN: " . $_POST["prof_ssn"], "<br>", "<br>";
```

```
    for($index = 0; $index < mysql_numrows($result); $index++) {
```

```
        echo "Course Title: ", mysql_result($result, $index, C_Title), "<br>";
```

```
        echo "Classroom: ", mysql_result($result, $index, Classroom), "<br>";
```

```
        echo "Meeting Days: ", mysql_result($result, $index, Meeting_Days), "<br>";
```

```
        echo "Begin Time: ", mysql_result($result, $index, Begin_Time), "<br>";
```

```
        echo "End Time: ", mysql_result($result, $index, End_Time), "<br>", "<br>";
```

```
    }
```

```
}
```

```
else {
```

```
    echo "Invalid SSN", "<br>";
```

```
    echo "Professor with specified SSN was not found", "<br>";
```

```
}
```

```
// Closes connection to MySQL database server
```

```
mysql_close($mysql_conn);
```

```
?> <!-- End of PHP block -->
```

```
</center>
```

```
</body>
```

```
</html>
```

```
/**
 * prof_grades.html
 **/
<html>
<body>
    <center>
        PROFESSOR GRADES
        <!-- Form 2 -->
        <div id="frm1">
            <!-- Sends data to be processed to "data_process1.php" file by POST method -->
            <form action="prof_grades_data.php" method="POST">
                <p>
                    <label>Course Number:</label> <!-- Display "Course Number:" -->
                    <input type="text" id="user" name="p_courseNum" /> <!-- user input box -->
                </p>

                <p>
                    <label>Section Number:</label> <!-- Display "Section Number:" -->
                    <input type="text" id="user" name="p_sectionNum" /> <!-- user input box -->
                </p>

                <p>
                    <input type="submit" id="btn" name="p_login2" /> <!-- Submit button -->
                </p>

            </form>
        </div>

        <!-- Back button -->
        <button onclick="goBack()">Go Back</button>

    </center>

    <!-- Function for Back button -->
    <script>
        function goBack() {
            window.history.back()
        }
    </script>
</body>
</html>
```



```

/**
 * prof_grades_data.php
 */
<html>
<body>

<center>
  <!-- Start of PHP block -->
  <?php

      $dbHost = 'mariadb';
      $dbUsername = 'cs332a8';
      $dbPassword = 'ohkusash';

      // Connection with MySQL Relational DBMS
      $mysql_conn = mysql_connect($dbHost, $dbUsername, $dbPassword);

      // if unsuccessful connecting to MySQL Relational DBMS
      if (! $mysql_conn ) {
          die('Unable to connect to host MariaDB' . mysql_error());
      }

      // if successful
      $db_selection = mysql_select_db($dbUsername, $mysql_conn);

      echo 'Connection with database was successful', "<br>";

      echo "<br>";

      $search = "SELECT Grade, COUNT(*) as 'NumStudents'
                  FROM Enrollment_Records, Section, Course
                  WHERE Sec_C_Num = C_num
                  AND C_Number = Sec_C_Num
                  AND Sec_Number = Sec_num
                  AND C_Num = " . $_POST["p_courseNum"] . "
                  AND Sec_Number = " . $_POST["p_sectionNum"] . "
                  GROUP BY Grade;";

      $result = mysql_query($search, $mysql_conn) or die(mysql_error());

      $index = 0;

```

```

if ($index < mysql_numrows($result)) {

    echo "Course Number: " .$_POST["p_courseNum"], "<br>";
    echo "Section Number: " .$_POST["p_sectionNum"], "<br>";

    for($index = 0; $index < mysql_numrows($result); $index++) {

        echo mysql_result($result, $index, Grade), ": ",
            mysql_result($result, $index, 'NumStudents'), "<br>";

    }

}

else {
    echo "Invalid Course Number and/or Section Number", "<br>";
    echo "Please try again", "<br>";
}

// Closes connection to MySQL database server
mysql_close($mysql_conn);

?> <!-- End of PHP block -->
</center>
</body>
</html>

/**
 * student_classes.html
 **/
<html>
<body>
    <center>
        STUDENT CLASSES
        <!-- Form 1 -->
        <div id="frm2">

            <!-- Sends data to be processed to "data_process2.php" file by POST method -->
            <form action="student_class_data.php" method="POST">
                <p>
                    <label>Course Number:</label> <!-- Display "Course Number:" -->
                    <input type="text" id="user" name="s_courseNum" /> <!-- user input box -->

```

</p>

<p>

<input type="submit" id="btn" name="s_login1" /> <!-- Submit button -->

</p>

</form>

</div>

<!-- Back button -->

<button onclick="goBack()">Go Back</button>

</center>

<!-- Function for Back button -->

<script>

```
function goBack() {  
    window.history.back()  
}
```

</script>

</body>

</html>

/**

* student_class_data.php

**/

<html>

<body>

<center>

<!-- Start of PHP block -->

<?php

\$dbHost = 'mariadb';

\$dbUsername = 'cs332a8';

\$dbPassword = 'ohkusash';

// Connection with MySQL Relational DBMS

\$mysql_conn = mysql_connect(\$dbHost, \$dbUsername, \$dbPassword);

// if unsuccessful connecting to MySQL Relational DBMS

```

if (! $mysql_conn ) {
    die('Unable to connect to host MariaDB' . mysql_error());
}

// if successful
$db_selection = mysql_select_db($dbUsername, $mysql_conn);

echo 'Connection with database was successful', "<br>";

echo "<br>";

$search = "SELECT Sec_Number, Classroom, Meeting_Days,
    Begin_Time, End_Time, (Num_Seats-COUNT(s_cwid)) as 'Num_Seats'

    FROM Course, Enrollment_Records, Section
    WHERE Sec_num = Sec_Number
    AND C_Number = Sec_C_Num
    AND C_num = ".$_POST["s_courseNum"]."
    GROUP BY Sec_Number;";

$result = mysql_query($search, $mysql_conn) or die(mysql_error());

$index = 0;

if ($index < mysql_numrows($result)) {

    echo "Course Number: " . $_POST["s_courseNum"], "<br>", "<br>";

    for($index = 0; $index < mysql_numrows($result); $index++) {

        echo "Section Number: ", mysql_result($result, $index, Sec_Number), "<br>";
        echo "Classroom: ", mysql_result($result, $index, Classroom), "<br>";
        echo "Meeting Days: ", mysql_result($result, $index, Meeting_Days), "<br>";
        echo "Begin Time: ", mysql_result($result, $index, Begin_Time), "<br>";
        echo "End Time: ", mysql_result($result, $index, End_Time), "<br>";
        echo "Number enrolled: ", mysql_result($result, $index, "Num_Seats"), "<br>", "<br>";
    }
}
else {
    echo "Invalid Course Number", "<br>";
    echo "Please try again", "<br>";
}

```

```

        // Closes connection to MySQL database server
        mysql_close($mysql_conn);

    ?> <!-- End of PHP block -->
</center>
</body>
</html>

/**
 * student_grades.html
 **/
<html>
<body>
    <center>
        STUDENT GRADES
        <!-- Form 2 -->
        <div id="frm2">

            <!-- Sends data to be processed to "data_process2.php" file by POST method -->
            <form action="student_grades_data.php" method="POST">
                <p>
                    <label>CWID:</label> <!-- Display "CWID:" -->
                    <input type="text" id="user" name="s_cwid" /> <!-- user input box -->
                </p>

                <p>
                    <input type="submit" id="btn" name="s_login2" /> <!-- Submit button -->
                </p>

            </form>

        </div>

        <!-- Back button -->
        <button onclick="goBack()">Go Back</button>

    </center>

    <!-- Function for Back button -->
    <script>

```

```

        function goBack() {
            window.history.back()
        }
    </script>
</body>
</html>

```

```

/**
 * student_grades_data.php
 **/
<html>
<body>
    <center>
        <!-- Start of PHP block -->
        <?php

            $dbHost = 'mariadb';
            $dbUsername = 'cs332a8';
            $dbPassword = 'ohkusash';

            // Connection with MySQL Relational DBMS
            $mysql_conn = mysql_connect($dbHost, $dbUsername, $dbPassword);

            // if unsuccessful connecting to MySQL Relational DBMS
            if (! $mysql_conn ) {
                die('Unable to connect to host MariaDB' . mysql_error());
            }

            // if successful
            $db_selection = mysql_select_db($dbUsername, $mysql_conn);

            echo 'Connection with database was successful', "<br>";

            echo "<br>";

            $search = "SELECT C_Title, Grade
                FROM Enrollment_Records, Course
                WHERE C_num = C_Number
                AND s_cwid =" . $_POST["s_cwid"];

            $result = mysql_query($search, $mysql_conn) or die(mysql_error());

```

```
$index = 0;

if ($index < mysql_numrows($result)) {

    echo "Student CWID: " .$_POST["s_cwid"], "<br>", "<br>";

    for($index = 0; $index < mysql_numrows($result); $index++) {

        echo "Course Title: ", mysql_result($result, $index, C_Title), "<br>";
        echo "Grade: ", mysql_result($result, $index, Grade), "<br>", "<br>";
    }

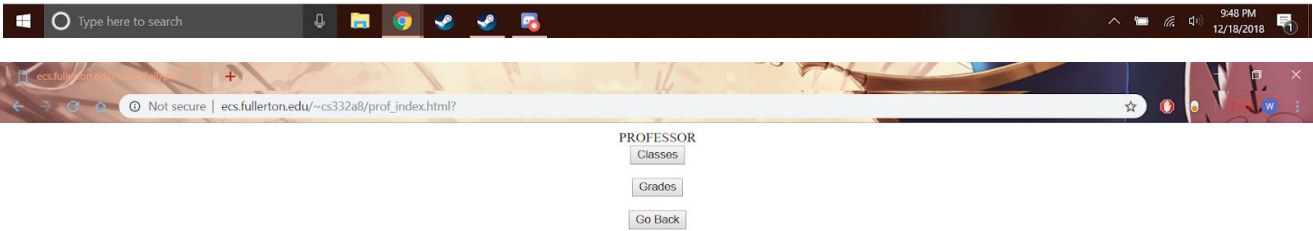
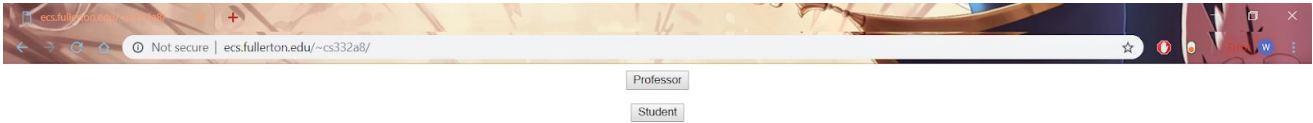
}

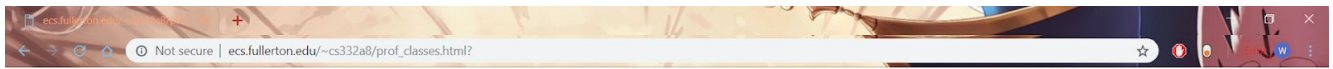
else {
    echo "Invalid student CWID", "<br>";
    echo "Please try again", "<br>";
}

// Closes connection to MySQL database server
mysql_close($mysql_conn);

?> <!-- End of PHP block -->
</center>
</body>
</html>
```

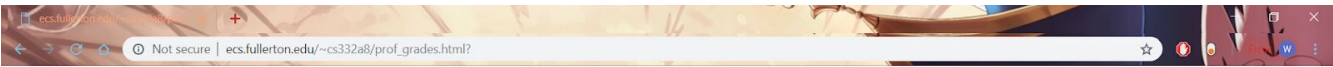
Interface Screenshots





PROFESSOR CLASSES

SSN:



PROFESSOR GRADES

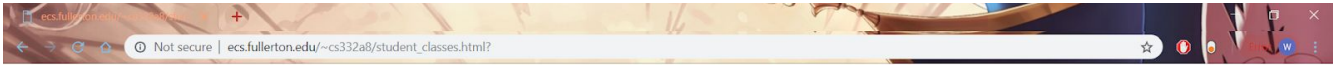
Course Number:

Section Number:





STUDENT
Classes
Grades
Go Back



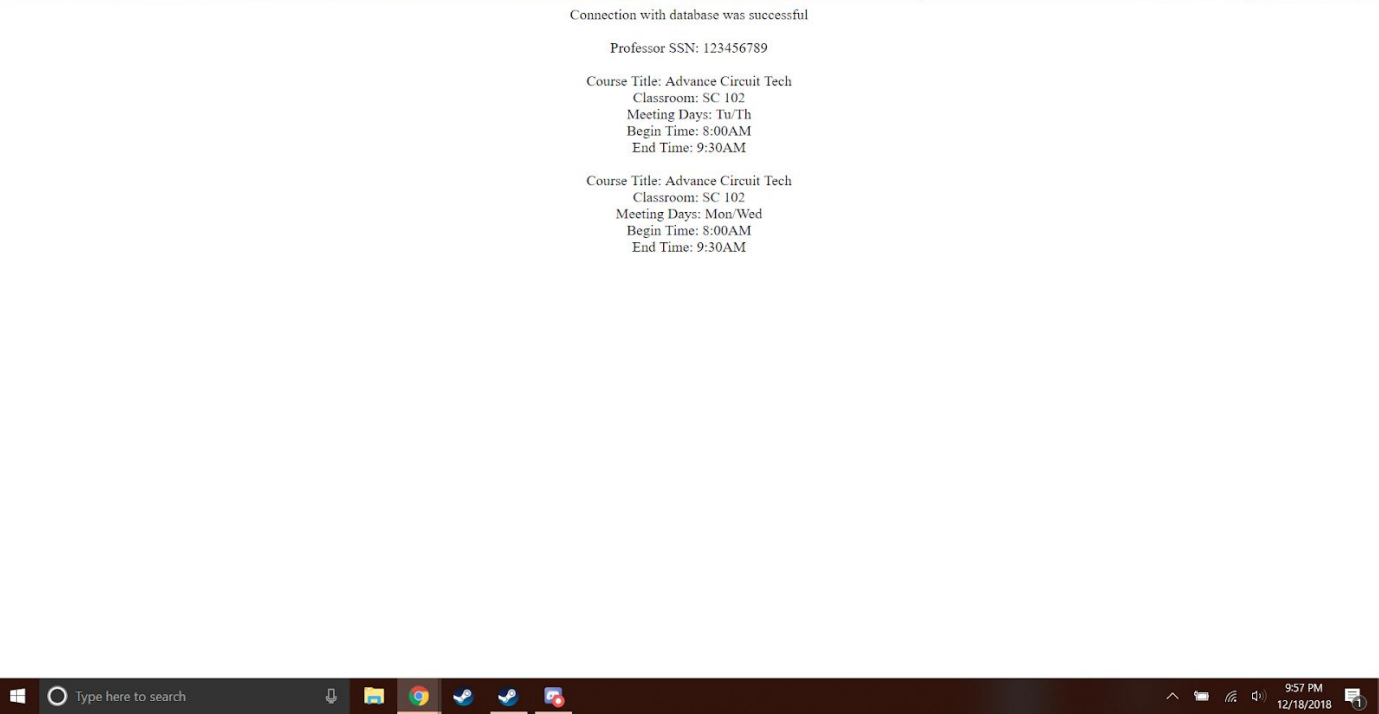
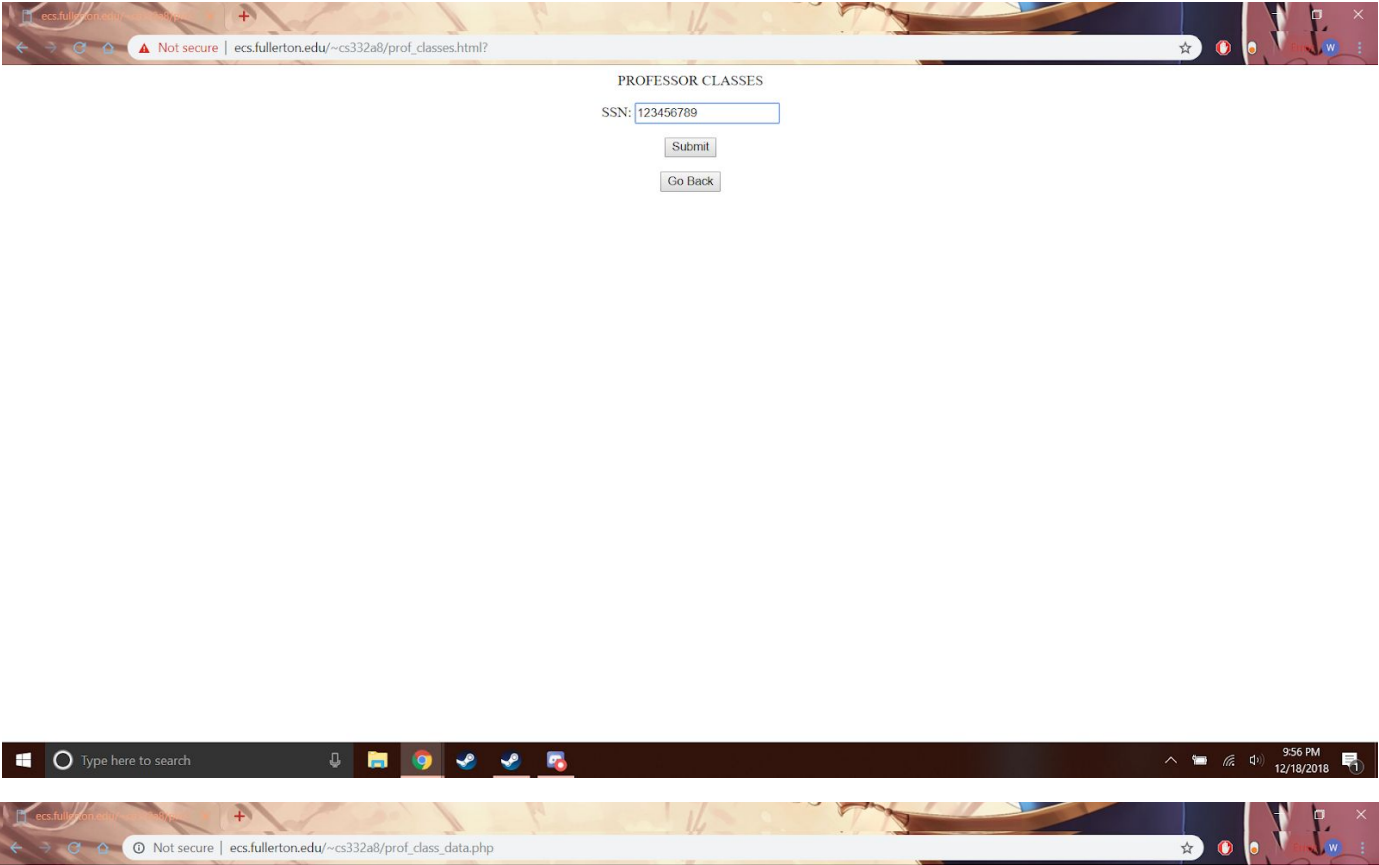
STUDENT CLASSES
Course Number:
Submit
Go Back



STUDENT GRADES

CWID:

Sample Run Screenshots



PROFESSOR GRADES

Course Number: 21543

Section Number: 01

Submit

Go Back

Connection with database was successful

Course Number: 21543

Section Number: 01

A-: 2

B: 3

B+: 2

C-: 1

Connection with database was successful

Course Number: 21543

Section Number: 01

Classroom: SC 102

Meeting Days: Tu/Th

Begin Time: 8:00AM

End Time: 9:30AM

Number enrolled: 24

STUDENT GRADES

CWID:

Connection with database was successful

Student CWID: 234567891

Course Title: Advance Circuit Tech
Grade: B

Course Title: Communication Studie
Grade: A-