Sean Peart Wait for List Project C.S. 355 8/2/2017



Plan for views

Every view will have a header with a navigation bar that allows the user to move around the website. Each view that displays data from the database will use a simple HTML table.

Login.php

Login.php will have a simple HTML form that allows the user to sign in to their account.

Signup.php

Signup.php will have a simple HTML form that allows the user to create an account.

Dashboard.php

This file will display a simple HTML form that allows the user to send a request to be added to the list and a special request for classes that students would like to see offered. There will be a table that displays information to the user about their past request.

Edit.php

This file allows the user to update their personal information in the database and will have a simple form that allows the user to edit information.

Admin Dashboard.php

Allows the user to look up information and make changes to the system. This fill contains buttons that link to other views and search bars to look up student information.

Queries

\$query3 = "SELECT * FROM user WHERE (Firstname LIKE '%\$search%') OR (Lastname LIKE '%\$search%') ";

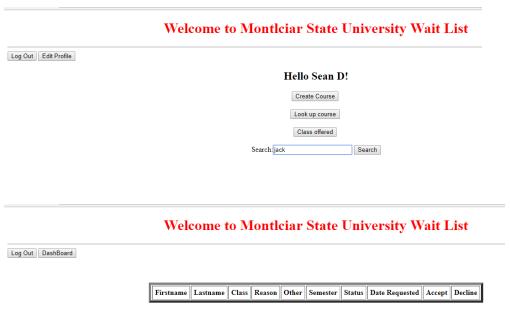
\$query = "SELECT * FROM `request` WHERE `username` = '\$username'";

Welcome to Montlciar State University Wait List Hello Sean D! Create Course Look up course Class offered Search (search for student Search Welcome to Montlciar State University Wait List Hello Sean D! Create Course Look up course Class offered Search (sean D): Create Course Look up course Class offered Search (sean Search)

Welcome to Montlciar State University Wait List

Log Out DashBoard

Firstname	Lastname	Class	Reason	Other	Semester	Status	Date Requested	Accept	Decline
sean	peart	Python 102	Need for graduation		Fall 2017	Decline	2017-07-25	Accept	Decline
sean	peart	Python 102	Need for graduation		Fall 2017	Accepted	2017-07-25	Accept	Decline
sean	peart	JavaScript Programming 105	late		Fall 2017	pending	2017-07-25	Accept	Decline
sean	peart	Java Programming 103	Need for graduation		Fall 2017	Accepted	2017-07-26	Accept	Decline
sean	peart	Math 100	Need for graduation		Fall 2017	Decline	2017-07-27	Accept	Decline



Sorry Data was not found

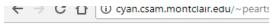
Description:

These queries search the user table by last name or first name and get the username of the user and then go to request and pull more information about the user.

\$sql = "DELETE FROM request WHERE id ='\$delete'";

Wait List Request

Class	Request date	Status	Semester	Action	
Python 102	2017-07-25	Decline	Fall 2017	N/A	
Python 102	2017-07-25	Accepted	Fall 2017	N/A	
JavaScript Programming 105	2017-07-25	pending	Fall 2017	Delete	
Java Programming 103	2017-07-26 Accepted		Fall 2017	N/A	
Math 100	2017-07-27 Decline		Fall 2017	N/A	
DataBase Systems	2017-08-02	pending	Spring 2017	Delete	



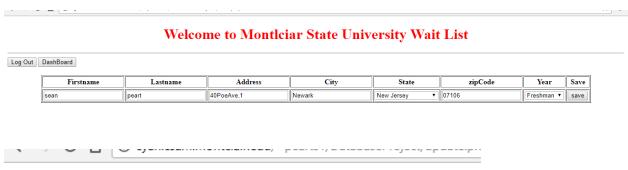
Deleting class request...

Wait List Request

Class	Request date	Request date Status		Action	
Python 102	2017-07-25	Decline	Fall 2017	N/A	
Python 102	2017-07-25	Accepted	Fall 2017	N/A	
Java Programming 103	2017-07-26	Accepted	Fall 2017	N/A	
Math 100	2017-07-27	Decline	Fall 2017	N/A	
DataBase Systems	2017-08-02	pending	Spring 2017	Delete	

Description:

Delete from the request table using the id as a marker. This remove a request from the request table.



Updated sucessfully...

\$query2 = "UPDATE user SET Firstname='\$First',
Lastname='\$Last',Address='\$address',
City = '\$city', zipcode='\$zipCode', state='\$state', year='\$year' WHERE
username='\$username'";

Description:

This query updates the first name, last name, address, city, zip code, state, year, and username of the user table.

List of users and Password

*note username and password are case sensitive

Username	Password	Roll
pearts1	Bard100*	Admin
seanDp32@gmail.com	Bard100*	Student
seanDp32	Bard100*	Student
Mark1	Bard100*	Faculty
davidp1	210datson	Student

Analysis of client needs

This website needs to give the user the ability to request to be added to a particular waitlist for a class. The user should be able to send a special request to the admin asking for a particular class to be added for a semester. The user should be able to see what semester they are added to the waitlist for.

Business Plan

Why does this client want this website?

 The client needs this site because it will help the client register for class faster and easier than ever, and allow the client to make a request.

What are your products?

 There will not be a product offered in this site we are providing a service of registering for classes

Who do you expect your client to be? Discuss what you think your client's expectations are going to be?

• I expect my client to be college students, faculty, administrator, and a super user.

What access your various users should have to your product?

- The student should only have access to requesting, adding and removing classes.
- Faculty should only have access to accepting a request, and removing a request.
- Administrators should have access to accepting requests, removing requests.
- Super User should be granted full access to the DBMS.

What concepts are the anchors for the design?

• I am planning to use a three-tier architecture and use an ER modeling diagram to model this system.

Who is in the group?

I am going to be working on this project myself.

Who is doing what? – discuss how you have delegated work so far. Everyone must code

I am going to code and do the DB management

How are you collecting requirements and information about your mini verse?

What are your sources?

I will be doing research online and asking professors for help.

Discussion of data views

The first data view that I created for my project was the Dashboard.php file. This file displays all the requests that the user has sent to the administrator and Faculty. This view allows the user to have full control over their profile. For example, the user is able to delete and send a request to the admin. Here's a screenshot



Based on the user status they can make an action of deleting the request if the request was accepted or deleted then the student will see Not Applicable (N/A).

The query that accomplish this is:

\$query = 'SELECT * FROM request WHERE username="'.\$username." ORDER
BY dateT';

We use the username to find the user requests from the past. When the user logs into the site a global PHP session variable is set with the username and that's how I am able to look up the user information.

Another Data view that was created was the Edit.php view. This view allows the user to update their information. This view is available to all users. Here's a screenshot

Welcome to Montlciar State University Wait List								
Log Out DashBoard								
	Firstname	Lastname	Address	City	State	zipCode	Year	Save
	sean	peart	40PoeAve,1	Newark	New Jersey ▼	07106	Freshman ▼	save

This was accomplished using this query:

\$query = 'SELECT * FROM user where username = "".\$username."";

When the user hit save the update.php file runs and updates the data to the database, here's a screenshot.



Here's the query that handle that information being updated:

\$query2 = "UPDATE user SET Firstname='\$First',
Lastname='\$Last',Address='\$address',
City = '\$city', zipcode='\$zipCode', state='\$state', year='\$year' WHERE
username='\$username'";

Another data view that I have is the Admin Dashboard.php file. In this file the user is able to select from a wide range of options to view data in the database. Here's a screenshot:



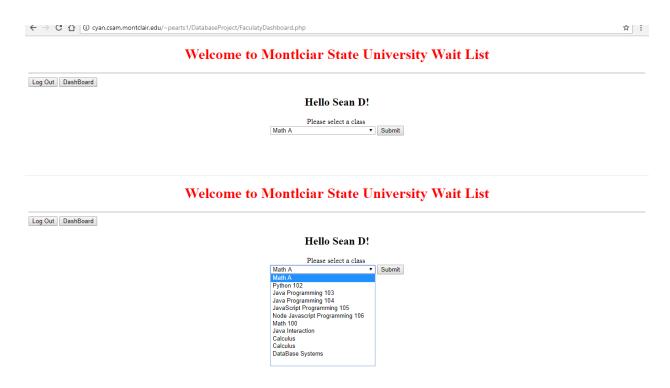
The user has the option of creating a course, looking up a course, looking at what the courses are offered for a particular semester, and searching the database for a user.

Create course.php ### Common Course American Course Project/CreateCourse Project Course Plane | Course Name: | Course Name: | Course Number: | Course Number:

Query that create the course is: \$query2 = "INSERT INTO Courses(Classes,section,classNumber,semester) VALUES('\$name', '\$section','\$number','\$semester')";

This query INSERT into the courses table the name, section, number, and semester.

FaculatyDashboard.php



This view allows the admin and faculty to look up a class and see who is on the waitlist.

Welcome to Montlciar State University Wait List

Log Out DashBoard

Firstname	Lastname	Class	Reason	Other	Semester	Status	Date Requested	Accept	Decline
sean	peart	Python 102	Need for graduation		Fall 2017	Decline	2017-07-25	Accept	Decline
sean	peart	Python 102	Need for graduation		Fall 2017	Accepted	2017-07-25	Accept	Decline

The query that accomplish this is

\$query = "SELECT * FROM request WHERE class = '\$class' ";

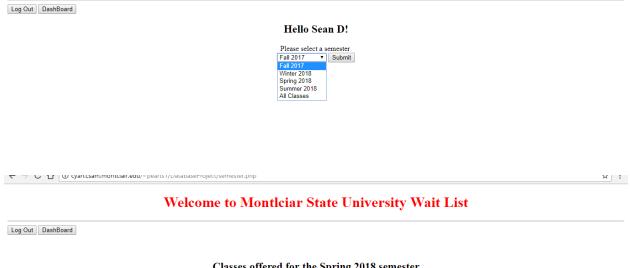
\$query2 = "SELECT * FROM user WHERE username='\$username";

First we search the request list and then use the username to find the user firstname and lastname. This allowed me to generate table above.

Semsterlookup.php

In this file the user can see all the classes that is offered a particular semester. Here's the screenshot

Welcome to Montlciar State University Wait List



Classes offered for the Spring 2018 semester

Class	Section	Class Number	Semester
Java Programming 104			Spring 2018
JavaScript Programming 105			Spring 2018
Node Javascript Programming 106			Spring 2018
Calculus	121	1	Spring 2018
DataBase Systems	4	10123	Spring 2018

The Query that made this table possible is

\$query = "SELECT * FROM Courses WHERE semester = '\$semester' ";

Here I selected from Courses and filter out the data by semester.

Search.php

In search.php I search the database using keywords from the user firstname and lastname then I search the course table and pull all the information I need. Here's the queries that I used to accomplish this

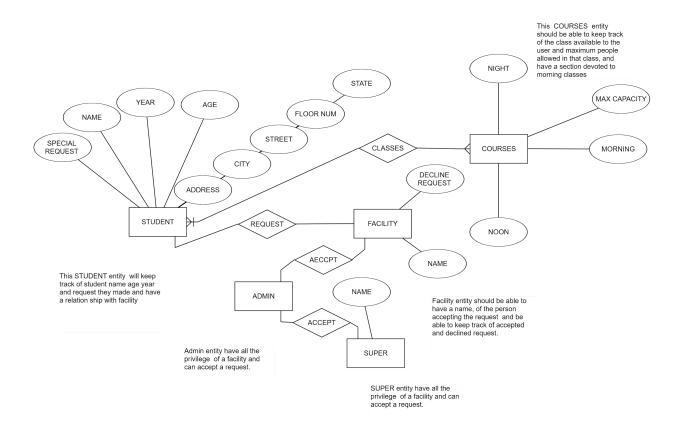
\$query3 = "SELECT * FROM user WHERE (Firstname LIKE '%\$search%') OR (Lastname LIKE '%\$search%') ";

The query above search the user table for keywords that matches the first name and last name of users in the system

\$query = "SELECT * FROM `request` WHERE `username` = '\$username'";

This query allows us to cross-reference the user table and request table and have a relationship between the request table and user table.

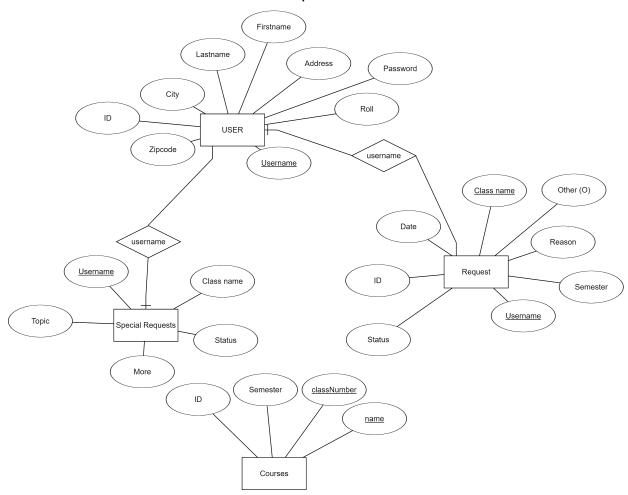
Data Model - conceptual



- The COURSES entity should be able to keep track of the class available to the user and the maximum number of people allowed in that class and have a section devoted to morning classes.
- The STUDENT entity will keep track of the student's name, age year, and request they made and have a relationship with the facility.
- The Admin entity has all the privileges of a facility and can accept a request.
- The SUPER entity has all the privileges of a facility and can accept a request.
- Facility entity should be able to have the name of the person accepting the request and be able to keep track of accepted and declined requests.

At the beginning of working on the project I thought that the database was going to look like the above diagram however during the implementation process everything changed.

Data Model Implementation



The above diagram was the actual implementation, the user entity or table keeps track of username, password, address, zip code, Roll, Firstname, and Lastname. The user name has a relationship with the request table because the request table relies on the user table to display data correctly to the user.

The Courses entity or table keeps track of the semester the course would be offered, ID, a unique course name, and class number.

The request table or entity keeps track of

- username of the user, Reason for why need this class
- semester when the class will be offered
- Date when the course was created
- class name of the class
- ID that identify each row
- and another that tells other reasons for needing to be added to the waitlist.

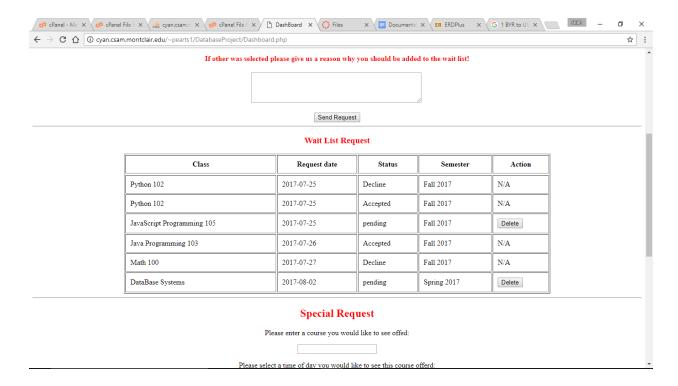
The special request table or entity keeps track of

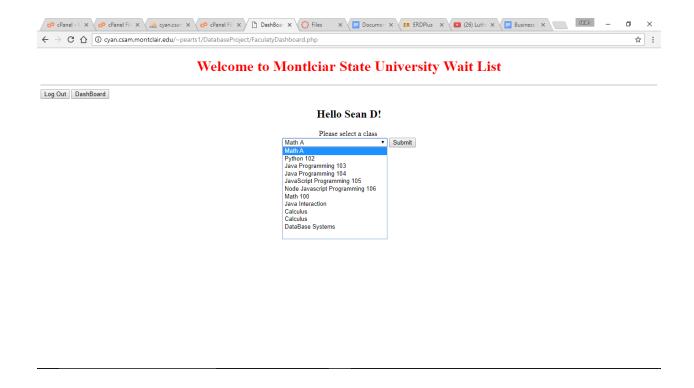
- · username of the user, Reason for why need this class
- semester when the class will be offered
- Date when the course was created
- class name of the class
- ID that identify each row
- and another that tells other reasons for needing to be added to the waitlist.
- A Topic of a course the student would like to see offered.

<u>Discussion on Website implementation</u>

Overall implementation of the website was pretty straightforward because before taking this class I had experience with PHP, HTML, JS, and MYSQL so it was not as difficult for me to build a website of this nature. However, I wished the class have gave me more time to work on the website and be more creative with the website. In Addition, the website concept was not hard to grasp. Using simple HTML to create the site allowed to me speed up the developing process and made a functional but ugly site. The website interacts with the database well and also

returns errors from the database. For example, the website returns an error when the user does not use the correct password to log in or sign up. In general, the development process was smooth.





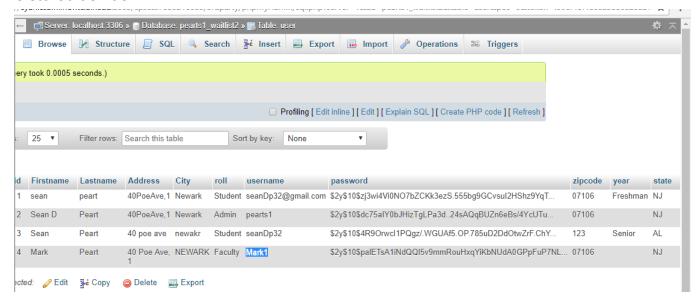
<u>Database Problems</u>

During the development I had some issues with getting my queries to run when I appended a PHP variable to the SQL string. However, I fixed this problem by using single quotes. Some other common issues that I had to protect my database from user session hijacking by setting a forbidden route error message that redirects the user to log in if the session is up, and SQL injections. There's no redundancy that I know of in my database, I tried my best to keep my data strict and ask for information that is really needed.

Security discussion

During the development I took into consideration the user password. So I stored the user password as a hash using the PHP password hash function which uses the sh1 hashing algorithm. On the database, the user password

is stored as hash.



As shown in the screenshot the password is not stored in plain text in the database which makes it extra secure.

The website also protects against session hijacking by asking the user to sign in after a certain amount of time or if they are trying to log in to an unauthorized section of the site.

The site also protects against sql injection by using the trim function mysqli::escape_string() on inputs. This function will trip any injection by replacing characters that can allow an insertion.

Conclusion

If I had more time to work on this project I would use CSS to make the site look better, and use bootstrap to make the forms look more modern. I would also like to create a super user for the website, this user would have access to all the functionality of the website such as adding a class, deleting a class, updating, requesting, accepting, and declining requests. I also like to develop the website using a stronger Modeling View Controller (MVC) concept.

Code

```
<?php
if(session_status()!=PHP_SESSION_ACTIVE) {
 session_start();
}
@Author Sean Peart
@Date created 8/3/2017
@AdminDashboard.php
*/
?>
<!DOCTYPE html>
<html>
<head>
      <title>DashBoard</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="Edit.php"><button>Edit Profile</button></a>';
}else {
      echo '<a href="login.php"><button>Log In</button></a>
          <a href="signup.php"><button>Sign Up</button></a>';
}
```

```
?>
      <?php
       if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
       } else {
            echo("<center><h2>Hello ".$_SESSION['Firstname']."!</h2></center>");
          }
      ?>
      <center>
      <a href="createCourse.php"><button>Create Course</button></a>
      <br>
      <br>
      <a href="FaculatyDashboard.php"><button>Look up course</button></a>
      <br>
      <br>
      <a href="semsterlookup.php"><button>Class offered</button></a>
      <br>
      <br>
      <form method="POST" action="search.php">
             Search:<input type="text" name="search" placeholder="search for
student">
        <input type="submit" value="Search">
       </form>
```

```
</center>
</body>
</html>
<?php
if(session_status()!=PHP_SESSION_ACTIVE) {
 session_start();
@Author Sean Peart
@Date created 8/3/2017
@FaculityEdit.php
*/
?>
<!DOCTYPE html>
<html>
<head>
      <title>Edit Profile</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
}else {
```

```
echo("<strong>you dont have access to route forbiden </strong>");
          echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
     }
     ?>
     <?php
     include 'connect.php';
      $username = $_SESSION["Username"];
      $query = 'SELECT * FROM faculty where username = "".$username."";
      $result = $conn->query($query);
      $row = $result->fetch_assoc();
      echo('
            <br>
            <br>
         <center>
          Firstname 
             Lastname 
             Address 
             City 
             State 
             zipCode 
             Save 
         ');
```

```
echo('<form method="POST" action="update.php">
          <input type="text" name="Firstname" value='.$row['Firstname'].'
required >
          <input type="text" name="Lastname" value='.$row['Lastname'].'
required>
       <input type="text" required name="Address" value='.str replace(' ',
",$row['Address']).'>
             <input type="text" name="City" value='.$row['City'].' required>
             <select name="State" required>
            <option value="AL">Alabama</option>
            <option value="AK">Alaska</option>
            <option value="AZ">Arizona</option>
            <option value="AR">Arkansas
            <option value="CA">California</option>
            <option value="CO">Colorado</option>
            <option value="CT">Connecticut</option>
            <option value="DE">Delaware</option>
            <option value="DC">District of Columbia
            <option value="FL">Florida</option>
            <option value="GA">Georgia</option>
            <option value="HI">Hawaii
            <option value="ID">Idaho</option>
            <option value="IL">Illinois</option>
            <option value="IN">Indiana</option>
            <option value="IA">lowa</option>
            <option value="KS">Kansas</option>
            <option value="KY">Kentucky</option>
            <option value="LA">Louisiana</option>
            <option value="ME">Maine</option>
            <option value="MD">Maryland</option>
            <option value="MA">Massachusetts/
            <option value="MI">Michigan</option>
            <option value="MN">Minnesota</option>
            <option value="MS">Mississippi</option>
            <option value="MO">Missouri</option>
            <option value="MT">Montana</option>
```

```
<option value="NE">Nebraska</option>
      <option value="NV">Nevada</option>
      <option value="NH">New Hampshire
      <option value="NJ" selected>New Jersey</option>
      <option value="NM">New Mexico</option>
      <option value="NY">New York</option>
      <option value="NC">North Carolina</option>
      <option value="ND">North Dakota
      <option value="OH">Ohio</option>
      <option value="OK">Oklahoma</option>
      <option value="OR">Oregon</option>
      <option value="PA">Pennsylvania
      <option value="RI">Rhode Island</option>
      <option value="SC">South Carolina</option>
      <option value="SD">South Dakota
      <option value="TN">Tennessee</option>
      <option value="TX">Texas</option>
      <option value="UT">Utah</option>
      <option value="VT">Vermont</option>
      <option value="VA">Virginia</option>
      <option value="WA">Washington
      <option value="WV">West Virginia</option>
      <option value="WI">Wisconsin</option>
      <option value="WY">Wyoming</option>
</select>
<input type="text" name="Zipcode" value='.$row['zipcode'].' required>
       <input type="submit" value="save">
     </form>
');
```

```
echo('</center>');
 ?>
</body>
</html>
<!DOCTYPE html>
<html>
<head>
      <title>LogIn</title>
      <?php include 'nav.php';?>
</head>
<body>
<?php
@Author Sean Peart
@Date created 8/3/2017
@login.php
*/
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   echo '<a href="logout.php"><button>Log Out</button></a>';
}else {
      echo '<a href="signup.php"><button>Sign Up</button></a>';
}
```

```
?>
      <center>
      <?php
      // if($_SESSION["UserLogIn"] != true ) {
      // echo("<strong>you dont have access to route forbiden </strong>");
      // header('Refresh: 5; URL=http://localhost:8080/DataBase/');
      // }
      ?>
            <form method="POST" action="signIn.php">
                   Username: <input type="text" name="username"
placeholder="Username"><br><br>
                   Password: <input type="password" name="password"
placeholder="Password"><br><br>
                   <input type="submit" value="Log In">
             </form>
      </center>
      </body>
      </html>
        <?php
       session_start();
       session_destroy();
```

```
echo("<strong>LogIn out one moment...</strong>");
       echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
      /*
      @Author Sean Peart
      @Date created 8/3/2017
      @logout.php
      */
      ?>
      <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
       session_start();
      }
      @Author Sean Peart
      @Date created 8/3/2017
      @lookup.php
      */
       $class;
       include 'connect.php';
       if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
```

```
}
if(isset($_POST['Classes'])){
  $class = $conn->escape_string($_POST['Classes']);
}
?>
<!DOCTYPE html>
<html>
<head>
      <title>DashBoard</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   if( trim($_SESSION["roll"]) == "Student"){
     echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="Dashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Faculty"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Admin"){
```

```
echo '<a href="logout.php"><button>Log Out</button></a>
     <a href="AdminDashboard.php"><button>DashBoard</button></a>';
   }
}else {
    echo '<a href="login.php"><button>Log In</button></a>
       <a href="signup.php"><button>Sign Up</button></a>';
}
?>
<center>
<br>
<br>
<br>
Firstname
Lastname
    Class
    Reason
    Other
    Semester
    Status
    Date Requested
Accept
Decline
<?php
include("connect.php");
```

```
$query = "SELECT * FROM request WHERE class = '$class' ";
$result = $conn->query($query);
while($row = $result->fetch_assoc()){
    echo("");
  $username = $row['username'];
  $query2 = "SELECT * FROM user WHERE username='$username";
   $result2 = $conn->query($query2);
    while($row2 = $result2->fetch assoc()){
        echo("".$row2['Firstname']."");
        echo("".$row2['Lastname']."");
    }
    echo("".$row['class']."");
    echo("".$row['reason']."");
    echo("".$row['other']."");
    echo("".$row['semester']."");
    echo("".$row['status']."");
    echo("".$row['dateT']."");
    echo ("<form method='POST' action='status.php'>");
    echo ("<input type='hidden' name='accept' value="".$row['id']."">");
    echo ("<input type='submit' value='Accept'>");
```

```
echo ("</form>");
           echo ("<form method='POST' action='status.php'>");
           echo ("<input type='hidden' name='decline' value='".$row['id']."'>");
           echo ("<input type='submit' value='Decline'>");
           echo ("</form>");
           echo("");
      }
      ?>
      </center>
      </body>
      </html>
        <!--
      @Author Sean Peart
      @Date created 8/3/2017
      @nav.php
      -->
      <title> <?php echo($title)?> </title>
      <center><h1 style="color:red">Welcome to Montlciar State University Wait List
</h1></center>
      <hr>
      <?php
      /*
      @Author Sean Peart
      @Date created 8/3/2017
      @registerClass.php
      */
      error_reporting(0);
```

```
if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
       }
       if($_SESSION["UserLogIn"] == true){
          if( trim($_SESSION["roll"]) == "Student"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="Dashboard.php"><button>DashBoard</button></a>';
          } else if (trim($_SESSION["roll"]) == "Faculty"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
          } else if (trim($_SESSION["roll"]) == "Admin"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="AdminDashboard.php"><button>DashBoard</button></a>';
          }
       }
      ?>
      <?php
```

```
include("connect.php");
$name;
$number;
$section;
$semester;
if (isset($_POST['Coursename'])) {
$name = $conn->escape_string($_POST['Coursename']);
}
if (isset($_POST['CourseNumber'])) {
$number = $conn->escape_string($_POST['CourseNumber']);
}
if (isset($_POST['CourseSection'])) {
$section = $conn->escape_string($_POST['CourseSection']);
if (isset($_POST['Semester'])) {
$semester = $conn->escape_string($_POST['Semester']);
}
$query = "SELECT * FROM Courses";
$result = $conn->query($query);
```

```
$query2 = "INSERT INTO Courses(Classes, section, classNumber, semester)
VALUES('$name', '$section','$number','$semester')";
      $result2 = $conn->query($query2);
      if ($result2) {
            echo ("Course created successfully");
       echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Adm
inDashboard.php')}, 5000);</script>");
      }else{
       echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Adm
inDashboard.php')}, 5000);</script>");
       echo ("Course created unsuccessfully");
      }
      ?>
      <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
       session_start();
      }
      @Author Sean Peart
```

```
@Date created 8/3/2017
      @create.php
      */
      ?>
      <?php
      include 'connect.php';
      //session_start();
      $username;
      $password;
      $Password2;
      $First;
      $Last;
      $year;
      $address;
      $city;
      $zipCode;
      $state;
      $account;
      if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
       }
```

```
// if($_SESSION["UserLogIn"] != true ) {
      // echo("<strong>you dont have access to route forbiden </strong>");
      // echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
      // }
      if(isset($_POST['username'])){
           $username = $conn->escape_string($_POST['username']);
      }
      if(isset($_POST['password'])){
           $password = $conn->escape_string($_POST['password']);
      }
      if(isset($_POST['confirmPassword'])){
           $Password2 = $conn->escape_string($_POST['confirmPassword']);
      }
       if(isset($_POST['Firstname'])){
           $First = $conn->escape_string($_POST['Firstname']);
```

```
}
 if(isset($_POST['Lastname'])){
  $Last = $conn->escape_string($_POST['Lastname']);
}
 if(isset($_POST['Address'])){
   $address = $conn->escape_string($_POST['Address']);
}
 if(isset($_POST['City'])){
   $city = $conn->escape_string($_POST['City']);
}
if(isset($_POST['State'])){
       $state = $conn->escape_string($_POST['State']);
}
 if(isset($_POST['Zipcode'])){
   $zipCode = $conn->escape_string($_POST['Zipcode']);
}
```

```
if(isset($_POST['Year'])){
          $year = $conn->escape_string($_POST['Year']);
       }
      if(isset($_POST['accountType'])){
          $account = $conn->escape_string($_POST['accountType']);
       }
      // check if passwords match
      if($password == $Password2){
      $_SESSION["password_Miss_Match"] = "false";
        // insert account
         $query = 'SELECT * FROM user where username = "".$username."";
         $result = $conn->query($query);
        if($result && $result->num_rows > 0){
                                $_SESSION["UserExist"] = "true";
       echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/sign
up.php')}, 5000);</script>");
      }
```

```
else{
                             $ SESSION["UserExist"] = "false";
                  $query = 'SELECT * FROM user';
                  $result = $conn->query($query);
              if($account == "Student"){
                $res = "INSERT INTO user( username, password, Firstname,
Lastname, Address, City, state, year, zipcode, roll) VALUES ("". $username."", "". password has
h($password,PASSWORD_DEFAULT)."',' ".$First."','".$Last."','".$address."',".$city."','
".$state."','".$year."','".$zipCode."',' ".$account."')";
              } else{
                $res = "INSERT INTO user( username, password, Firstname,
Lastname, Address, City, state, zipcode, roll) VALUES ("". $username."", "".password_hash ($p
assword,PASSWORD_DEFAULT)."",' ".$First."","".$Last."","".$address."","".$city."",'
".$state."',".$zipCode."',' ".$account."')";
              }
                                  // var_dump(mysqli_query($dataBase, $res));
                                  if($conn->query($res)){
                           echo("User created Successfully");
       echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
                                  }else{
                             echo("User created unsuccessfully");
                            echo ($conn->error);
```

```
}
      }
         }
      else if($password != $Password2){
           session_unset();
         $_SESSION["password_Miss_Match"] = "true";
         echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/sign
up.php')}, 1000);</script>");
      }
       ?>
       <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
       session_start();
      @Author Sean Peart
      @Date created 8/3/2017
      @createCourse.php
      */
      ?>
      <!DOCTYPE html>
```

```
<html>
<head>
      <title>DashBoard</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
  if( trim($_SESSION["roll"]) == "Student"){
     echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="Dashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Faculty"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Admin"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="AdminDashboard.php"><button>DashBoard</button></a>';
    }
}else {
      echo '<a href="login.php"><button>Log In</button></a>
          <a href="signup.php"><button>Sign Up</button></a>';
}
```

```
?>
                           <?php
                               if($_SESSION["UserLogIn"] != true ) {
                           echo("<strong>you don't have access to route forbidden </strong>");
                          echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
                              } else {
                                                   echo("<center><h2>Hello ".$_SESSION['Firstname']."!</h2></center>");
                                        }
                           ?>
                           <center>
                           <form method="POST" action="registerClass.php">
                                <label>Course Name:</label>
                               <input type="text" name="Coursename" placeholder="Course name" required>
                                <br>
                                <label>Course Number:</label>
                                <br>
                               <input type="text" name="CourseNumber" placeholder="Course Number"</pre>
required>
                                <br>
                                <a href="mailto:</a> <a href="
                                <br>
```

```
<input type="text" name="CourseSection" placeholder="Section Number"</pre>
required>
       <br>
       <label>Semester to be offered:</label>
      <select name="Semester" required>
      <option value="Fall 2017">Fall 2017
      <option value="Winter 2017">Winter 2018
      <option value="Spring 2018">Spring 2018
      <option value="Summer 2018">Summer 2018
      </select>
       <br>
       <br>
       <input value="create Course" type="submit">
      </form>
      </center>
         </body>
      </html>
      <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
      session_start();
     }
      @Author Sean Peart
      @Date created 8/3/2017
      @Dashboard.php
```

```
*/
?>
<!DOCTYPE html>
<html>
<head>
      <title>DashBoard</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   if( trim($_SESSION["roll"]) == "Student"){
     echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="Edit.php"><button>Edit</button></a>';
    } else if (trim($_SESSION["roll"]) == "Faculty"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Admin"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="AdminDashboard.php"><button>DashBoard</button></a>';
    }
}else {
      echo '<a href="login.php"><button>Log In</button></a>
          <a href="signup.php"><button>Sign Up</button></a>';
```

```
}
       ?>
       <?php
        if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
        } else {
             echo("<center><h2>Hello ".$_SESSION['Firstname']."!</h2></center>");
          }
       ?>
       <center>
       <STRONG><h4 style="color:red">
       *Please note all these classes are full please fill in the information below to be
added to the wait list</h4></STRONG>
       <form method="POST" action="sendRequest.php">
       <a href="label"><label</a> | class</a> | label</a> | label</a>
       <br>
```

```
<select name="Classes" required>
<?php
 include("connect.php");
 $query = "SELECT Classes FROM Courses";
 $result=$conn->query($query);
 while($row = $result->fetch_assoc()){
  echo("<option");
  echo("value=");
  echo($row['Classes']);
  echo (">");
  echo($row['Classes']);
  echo("<option>");
?>
</select>
<br><br><
Semster: < select name="semester" required>
      <option value="Fall 2017">Fall 2017
      <option value="Spring 2018">Spring 2018
  <option value="Winter 2017">Winter 2017
 <option value="Summer 2018">Summer 2018
</select>
<br><br>>
Reason to be added to the wait list
```

```
<input type="radio" name="reason" value="I need this class for for graduation"
required>I Need this class to graduate this semester<br>
       <input type="radio" name="reason" value="I forgot my registration date"
required>I forgot my registration date<br>
       <input type="radio" name="reason" value="other" required> Other
      <br><br><
      <STRONG><h4 style="color:red"> If other was selected please give us a reason
why you should be added to the wait list!</h4></STRONG>
      <textarea rows="4" cols="50" name="comment" value="N/A">
      </textarea>
      <br>
      <br>
      <input type="submit" value="Send Request">
      </form>
      <hr>
      <h3 style="color:red">Wait List Request</h3>
      <div>
       <?php
      include 'connect.php';
       $username = $_SESSION["Username"];
       $query = 'SELECT * FROM request WHERE username="".$username."
ORDER BY dateT';
       $result=$conn->query($query);
       // $data = mysqli_fetch_all($result);
```

```
echo('
   Class 
     Request date 
      Status 
      Semester 
      Action 
  ');
 while($row = $result->fetch_assoc()){
    echo('
    '.$row['class'].'
    '.$row['dateT'].'
    '.$row['status'].'
    '.$row['semester'].'
    ');
    if ($row['status'] == "pending" ){
     echo ('<form method="POST" action="delete.php">
      <input type="hidden" name="deleteClass" value ='.$row['id'].'>
      <input type="submit" value="Delete" >
     </form>
     ');
    } else{
       echo ('N/A');
    }
  }
echo('');
```

```
?>
      </div>
      <hr>
      <strong><h2 style="color:red"> Special Request</h2></strong>
      <form method="POST" action="sendingSpecial.php">
             Please enter a course you would like to see offed:
             <input type="text" name="courseOffer" required>
             Please select a time of day you would like to see this course
offered:
             <input type="radio" name="day" value ="Morning"
required>Morning<br><br>
             <input type="radio" name="day" value="Afternoon"
required>Afternoon<br><br>
             <input type="radio" name="day" value ="Night" required>Night<br><br>
             Please enter a topic you would like to see offed in this course:
         <input type="text" name="topic" required>
          Please enter additional information about this class you are
requesting:
          <textarea rows=10 cols="100" name="info">
          </textarea>
          <br>
          <br>
          <input type="submit" value=" Send Special Request">
      </form>
```

```
<br>
    <br>
    <?php
    include 'connect.php';
     $username = $_SESSION["Username"];
     $query = 'SELECT * FROM specialrequests WHERE username="".$username."
ORDER BY dateT';
     $result=$conn->query($query);
     // $data = mysqli_fetch_all($result);
      echo('
         Class 
            Topic 
            Status 
            DayTime 
            Date sent 
            Action 
        ');
       while($row = $result->fetch_assoc()){
          echo('
          '.$row['Class'].'
          '.$row['Topic'].'
          '.$row['status'].'
          '.$row['DayTime'].'
          '.$row['DateT'].'
```

```
<form method="POST" action="delete2.php">
         <input type="hidden" name="deleteClass" value ='.$row['id'].'>
         <input type="submit" value="Delete" >
         </form>
        ');
    }
 echo('');
 ?>
</div>
</center>
</body>
</html>
<?php
if(session_status()!=PHP_SESSION_ACTIVE) {
 session_start();
}
?>
<?php
@Author Sean Peart
@Date created 8/3/2017
@Delete.php
```

```
*/
      include 'connect.php';
      $delete;
      if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
        }
      if (isset($_POST['deleteClass'])) {
              $delete = $conn->escape_string($_POST['deleteClass']);
      }
      $sql = "DELETE FROM request WHERE id ='$delete'";
       if($conn->query($sql)){
          echo("<strong style='color:red'>Deleting class request...</strong>");
         echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Das
hboard.php')}, 5000);</script>");
       }
```

```
?>
<?php
if(session_status()!=PHP_SESSION_ACTIVE) {
 session_start();
@Author Sean Peart
@Date created 8/3/2017
@Edit.php
*/
?>
<!DOCTYPE html>
<html>
<head>
      <title>Edit Profile</title>
      <?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if(SSSION["UserLogIn"] == true){
```

```
if( trim($_SESSION["roll"]) == "Student"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="Dashboard.php"><button>DashBoard</button></a>';
          } else if (trim($_SESSION["roll"]) == "Faculty"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
          } else if (trim($_SESSION["roll"]) == "Admin"){
             echo '<a href="logout.php"><button>Log Out</button></a>
             <a href="AdminDashboard.php"><button>DashBoard</button></a>';
          }
       }else {
       echo("<strong>you dont have access to route forbiden </strong>");
             echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
5000);</script>");
      }
      ?>
      <?php
      include 'connect.php';
       $username = $_SESSION["Username"];
```

```
$query = 'SELECT * FROM user where username = "".$username."";
      $result = $conn->query($query);
      $row = $result->fetch_assoc();
      echo('
            <br>
            <br>
         <center>
          Firstname 
             Lastname 
             Address 
             City 
             State 
             zipCode 
             Year 
             Save 
         ');
           echo('<form method="POST" action="update.php">
         <input type="text" name="Firstname" value='.$row['Firstname'].'
required >
        <input type="text" name="Lastname" value='.$row['Lastname'].'
required>
      <input type="text" required name="Address" value='.str_replace(' ',
",$row['Address']).'>
           <input type="text" name="City" value='.$row['City'].' required>
           <select name="State" required>
          <option value="AL">Alabama</option>
          <option value="AK">Alaska</option>
          <option value="AZ">Arizona</option>
          <option value="AR">Arkansas
          <option value="CA">California</option>
```

```
<option value="CO">Colorado</option>
```

- <option value="CT">Connecticut</option>
- <option value="DE">Delaware</option>
- <option value="DC">District of Columbia
- <option value="FL">Florida</option>
- <option value="GA">Georgia</option>
- <option value="HI">Hawaii
- <option value="ID">Idaho</option>
- <option value="IL">Illinois</option>
- <option value="IN">Indiana</option>
- <option value="IA">lowa</option>
- <option value="KS">Kansas</option>
- <option value="KY">Kentucky</option>
- <option value="LA">Louisiana</option>
- <option value="ME">Maine</option>
- <option value="MD">Maryland</option>
- <option value="MA">Massachusetts
- <option value="MI">Michigan</option>
- <option value="MN">Minnesota
- <option value="MS">Mississippi</option>
- <option value="MO">Missouri</option>
- <option value="MT">Montana</option>
- <option value="NE">Nebraska</option>
- <option value="NV">Nevada</option>
- <option value="NH">New Hampshire</option>
- <option value="NJ" selected>New Jersey</option>
- <option value="NM">New Mexico</option>
- <option value="NY">New York</option>
- <option value="NC">North Carolina</option>
- <option value="ND">North Dakota
- <option value="OH">Ohio</option>
- <option value="OK">Oklahoma</option>
- <option value="OR">Oregon</option>
- <option value="PA">Pennsylvania</option>
- <option value="RI">Rhode Island</option>
- <option value="SC">South Carolina</option>
- <option value="SD">South Dakota</option>

```
<option value="TN">Tennessee</option>
     <option value="TX">Texas</option>
     <option value="UT">Utah</option>
     <option value="VT">Vermont</option>
     <option value="VA">Virginia</option>
     <option value="WA">Washington
     <option value="WV">West Virginia</option>
     <option value="WI">Wisconsin</option>
     <option value="WY">Wyoming</option>
</select>
<input type="text" name="Zipcode" value='.$row['zipcode'].' required>
 ');
 if ( $_SESSION["roll"] == "Student"){
      echo ' <select name="Year" required>
     <option value="Freshman">Freshman</option>
     <option value="Sophmore">Sophmore</option>
 <option value="Junior">Junior
  <option value="Senior">Senior</option>
</select>
':
 } else{
        echo("N/A");
 }
 echo '<input type="submit" value="save">
    </form>';
 echo('</center>');
```

```
?>
      </body>
      </html>
      <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
       session_start();
      }
      @Author Sean Peart
      @Date created 8/3/2017
      @index.php
      */
      ?>
      <!DOCTYPE html>
      <html>
      <head>
      <?php
      error_reporting(0);
       if($_SESSION["UserLogIn"] == true){
         if( trim($_SESSION["roll"]) == "Student"){
           echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Das
hboard.php')}, 10);</script>");
          } else if (trim($_SESSION["roll"]) == "Faculty"){
```

```
echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Facu
latyDashboard.php')}, 10);</script>");
           } else if (trim($_SESSION["roll"]) == "Admin"){
        echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/Adm
inDashboard.php')}, 10);</script>");
           }
       }else {
        echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/login
.php')}, 10);</script>");
       }
        ?>
       </head>
       <body>
       </body>
       </html>
       <?php
      if(session_status()!=PHP_SESSION_ACTIVE) {
        session_start();
```

```
@Author Sean Peart
      @Date created 8/3/2017
      @Search.php
      */
      }
      if($_SESSION["UserLogIn"] != true ) {
      echo ("<script> setTimeout(function(){
window.location.replace('http://cyan.csam.montclair.edu/~pearts1/DatabaseProject/')},
1);</script>");
       }
      $dataFound = false;
       $search;
       include 'connect.php';
       if(isset($_POST['search'])){
        $conn->escape_string($search = $_POST['search']);
       }
      ?>
      <!DOCTYPE html>
      <html>
      <head>
             <title>DashBoard</title>
```

```
<?php include 'nav.php'; ?>
</head>
<body>
<?php
error_reporting(0);
if($_SESSION["UserLogIn"] == true){
   if( trim($_SESSION["roll"]) == "Student"){
     echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="Dashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Faculty"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="FaculatyDashboard.php"><button>DashBoard</button></a>';
    } else if (trim($_SESSION["roll"]) == "Admin"){
      echo '<a href="logout.php"><button>Log Out</button></a>
       <a href="AdminDashboard.php"><button>DashBoard</button></a>';
    }
}else {
      echo '<a href="login.php"><button>Log In</button></a>
          <a href="signup.php"><button>Sign Up</button></a>';
}
?>
<center>
```

```
<br>
     <br>
     Firstname
      Lastname
          Class
          Reason
          Other
          Semester
          Status
          Date Requested
      Accept
      Decline
     <?php
     include("connect.php");
     count = 0;
    //$query = "SELECT * FROM request WHERE class = '$class' ";
    //$result = $conn->query($query);
     $query3 = "SELECT * FROM user WHERE (Firstname LIKE '%$search%') OR
(Lastname LIKE '%$search%') ";
     $result3 = $conn->query($query3);
     while($row3 = $result3->fetch_assoc()){
      $username = $row3['username'];
      $query = "SELECT * FROM `request` WHERE `username` = '$username'";
```



```
$result = $conn->query($query);
 if(result){
while($row = $result->fetch assoc()){
  $dataFound = true;
  echo("");
  echo("".$row3['Firstname']."");
  echo("".$row3['Lastname']."");
  echo("".$row['class']."");
   echo("".$row['reason']."");
   echo("".$row['other']."");
   echo("".$row['semester']."");
   echo("".$row['status']."");
   echo("".$row['dateT']."");
   echo ("<form method='POST' action='status.php'>");
   echo ("<input type='hidden' name='accept' value="".$row['id']."'>");
   echo ("<input type='submit' value='Accept'>");
   echo ("</form>");
   echo ("<form method='POST' action='status.php'>");
  echo ("<input type='hidden' name='decline' value='".$row['id']."'>");
  echo ("<input type='submit' value='Decline'>");
   echo ("</form>");
   echo("");
 }
  }
}
?>
```

```
<?php
if($dataFound == false){
 echo "<h1>Sorry Data was not found</h1>";
?>
</center>
</body>
</html>
<?php
$servername = "localhost";
$username = "pearts1_waitlist";
$password = "Bard100*";
$DBname = "pearts1_waitlist2";
// Create connection
$conn = new mysqli($servername, $username, $password,$DBname);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
?>
```