Social Media Website Technical Manual

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Contents

1. File Description

- **Db.inc.php**
  Establishing connection to the database.
- **Registration.html.php**
  HTML page which has all the inputs needed to sign up. Checks if confirm password is the same as password. Sends all the inputs to *Signup.php.*
- **Signup.php**
  Obtains all the input from *Registration.html.php* checks if username already exists and proceeds to send data to database. If username is taken returns true otherwise returns false.
- **LoginScreen.html.php**
  Contains all inputs. Sends data to *LoginScreen.php.* If data return true, user is logged in, otherwise message pop up with error message.
- **LoginScreen.php**
  Obtains data from *loginScreen.html.php*. Checks if gets users password from database and checks against password that was sent from *loginScreen.html.php*. If passwords match return true otherwise false.
- **NavPreset.php**
  Contains navigation bar.
- **HomePage.html.php**
  Displays all images and posts of the user and his/her friends. Interacts with *mainImageLoad.php*. It contains input for post and image. Sends data to *Upload.php*.
- **ImageLoad.php**
  Obtains data from database and sends them to *profile.html.php.*
- **Upload.php**
  Obtains data from *HomePage.html.php*, renames images, checks if data sent has image and post. If only image is present, it sends an image to cloud storage and inserts path, date and user into database table, if only post is present it just inserts date, user, post into table, and if both are present it inserts path, user, post and date into table.
- **Profile.html.php**
  Obtains information from *userInfo.php*, *profileImage.php and imageLoad.php.* It displays this info along with profile picture and images/posts of the user. It contains links to *passwordChange.html.php, infoEdit.html.php and uploadProfilePic.html.php*.
- **uploadProfilePic.html.php**
  Contains upload button for profile image. It sends this image to *ProfileImageUpload.php.*
- **ProfileImageUpload.php**
  Obtains data from *uploadProfilePic.html.php.* Stores image in cloud and path, date and user in the table.
- **ProfileImage.php**
  Fetches data from table and sends them to *profile.html.php.*
- **SearchResults.html.php**
  Contains input for search. Obtains data based on that input from *search.php.* Displays that data.
- **Search.php**
  Obtains data from *searchResult.htm.php*, fetches that data from database and sends them back.
- **UserInfo.php**

Fetches data from database and sends them to *profile.html.php.*

- **Logout.php**
  Destroys session.
- **mainImageLoad.php**
  Fetches image data from database, orders them by date and sends them to *HomePage.html.php.*
- **index.html**
  Redirects to *loginScreen.html.php*
- **acceptFriend.php**
  Obtains data from *friends.html.php.* Sends data to database.
- **deleteFriend.php**
  Obtains data from *friends.html.php or profile.html.php.* Sets deleteFlag to true based on data obtained.
- **getRequest.php**
  Obtains data from *searchResult.html.php.* Inserts that data into notification table.
- **deleteNotification.php**
  Obtains data from *friends.html.php.* Updates notification table.
- **chechLogedUser.php**
  Checks if the user's profile is for user currently logged in or not. Sends this data to *profile.html.php.*
- **infoEdit.html.php**
  Contains input that is send to *updateInfo.php.* It obtains data from *userInfo.php* and displays it.
- **updateInfo.php**
  Obtains data from *infoEdit.html.php.* If user has already updated their records previously, it will update table otherwise it will insert a new record into database.
- **passwordChange.html.php**
  Contains input that is send to *changePassword.php.* It also checks if new password and confirm password are identical.
- **changePassword.php**
  Obtains data from *passwordChange.html.php.* Validates this data and updates table.
- **friends.html.php**
  Obtains data from *friends.php and notificationsGet.php.* Displays this information on a page.
- **friends.php**
  Gets all usernames and friend usernames based on who is logged in.
- **friendCheck.php**
  Checks if logged in user is a friend with another user.
- **messages.html.php**
  Contains input for sending and choosing messages.
- **sendMessage.php**
  Obtains input from *messages.html.php* and inserts that input into table.
- **showMessage.php**
  Fetches data from table and sends them to *messages.html.php.*
- **HomeData.html.php**
  Only accessible by admin. Shows graph that displays the amount of posts in each day for past seven days.
- **Data.php**
  Fetches the data from database and sends them to *HomeData.html.php.*

- **navPresetAdmin.php**
  Unique navigation bar that only contains log out button.

2. Main data structures used

Most data structures are arrays and objects.

3. File formats

Website pages are HTML.php files

Files that interact with database are php files

Images are .jpg files

All documentation is .pdf file.

4. Code

- Db.inc.php

```php
1   <?php
2   $servername = "localhost";
3   $username = "root";
4   $password = "";
5
6   $dbname = "project";
7
8   // Create connection
9   $conn = new mysqli($servername, $username, $password, $dbname, "3308");
10
11  // Check connection
12  if ($conn->connect_error) {
13      die("Connection failed: " . $conn->connect_error);
14  }
15  ?>
```

- Registration.html.php

```php
1   <?php
2       $path = "navPreset.php";
3       include($path);
4   ?>
5   <!DOCTYPE html>
6   <html lang="en">
7   <head>
8     <title>Sign Up</title>
9     <meta charset="utf-8">
10    <meta name="viewport" content="width=device-width, initial-scale=1">
11    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12    <style>
13        .box {
14            margin-left: 35%;
15            margin-right: 35%;
16        }
17        input, select {
18            padding: 12px 20px;
19            margin: 8px 0;
20            display: inline-block;
21            border-radius: 4px;
22            box-sizing: border-box;
23        }
24        .button {
25            width: 50%;
26            background-color: black;
27            color: white;
28            padding: 14px 20px;
29            margin: 8px 0;
30            border: none;
31            border-radius: 4px;
32            cursor: pointer;
33            margin-left:25%;
34        }
35        .heading {
36            text-align: center;
37        }
38        .center {
39            resize: none;
40            display: block;
41            margin-left: auto;
42            margin-right: auto;
43            width: 100%;
44            margin-bottom: 1%;
45        }
46        body {
47            background-color: #EAE7DC;
48        }
49    </style>
50    <script>
51    $(document).ready(function() {
52        $('#button').click(function() {
53            var username = $('#username').val();
54            var email = $('#email').val();
55            var firstName = $('#fname').val();
56            var lastName = $('#lname').val();
57            var dob = $('#dob').val();
58            var password = $('#pwd').val();
59            var passwordCheck = $('#pwd2').val();
60            var about = $('#about').val();
61            if (password != passwordCheck) {
62                alert("Passwords do not match!");
63            }
64            else {
65                $.ajax({
66                    type: 'POST', url: 'signup.php', data: {username: username, email: email, firstName: firstName, lastName: lastName, dob: dob, password: password, about: about}, dataType: 'json',  success: function(data)
67                    {
68                        if (data == true) {
69                            alert("Username already exists! Please use a different username.");
70                        }
71                        else {
72                            window.location = "loginScreen.html.php";
73                        }
74                    }
75                });
76            }
77        });
78    });
79    </script>
80    </head>
81    <body id="main">
82    <div class="box">
83        <h2 class="heading">Sign Up</h2>
84        <div class="form-group">
85            <label for="email">Username:</label>
86            <input type="text" class="form-control" id="username" placeholder="Enter Username" name="username" required>
87        </div>
88        <div class="form-group">
89            <label for="email">Email:</label>
90            <input type="email" class="form-control" id="email" placeholder="Enter email" name="email" required>
91        </div>
92        <div class="form-group">
93            <label for="pwd">First Name:</label>
94            <input type="text" class="form-control" id="fname" placeholder="Enter First Name" name="fname">
95        </div>
96        <div class="form-group">
97            <label for="pwd">Last Name:</label>
98            <input type="text" class="form-control" id="lname" placeholder="Enter Last Name" name="lname">
99        </div>
100       <div class="form-group">
101           <label for="dob">Date of Birth:</label>
102           <input type="date" class="form-control" id="dob" name="dob">
103       </div>
104       <div class="form-group">
105           <label for="pwd">Password:</label>
106           <input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pwd" required>
107       </div>
108       <div class="form-group">
109           <label for="pwd">Confirm Password</label>
110           <input type="password" class="form-control" id="pwd2" placeholder="Enter password" name="pwd2" required>
111       </div>
112       <div class="form-group">
113           <label for="about">About:</label>
114           <textarea class="center" cols="50" rows="5" id="about"></textarea>
115       </div>
116       <button type="submit" class="button" id="button">Submit</button>
117   </div>
118
119   </body>
120   </html>
```

- Signup.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4       date_default_timezone_set("UTC") ;
5
6       $password = $_POST["password"];
7       $hash = password_hash($password, PASSWORD_DEFAULT);
8       $username = strtolower($_POST["username"]);
9       $firstName = $_POST["firstName"];
10      $lastName = $_POST["lastName"];
11      $email = $_POST["email"];
12      $date = date("Y-m-d", strtotime($_POST['dob']));
13      $about = $_POST["about"];
14
15      $usernameUsed = 0;
16      $selectuserSQL = "SELECT Username FROM members";
17      $result = $conn->query($selectuserSQL);
18      if ($result->num_rows > 0) {
19      // output data of each row
20          while($row = mysqli_fetch_assoc($result)) {
21              if ($username == $row["Username"]) {
22                  $usernameUsed = 1;
23              }
24          }
25      }
26
27      if ($usernameUsed == 1) {
28          $data = true;
29      }
30      else {
31          $sql = "Insert into members (Username, FirstName, LastName, Email, Password, About, DateOfBirth)
32          VALUES ('$username', '$firstName', '$lastName', '$email', '$hash', '$about', '$date')" ;
33
34          if (!mysqli_query($conn,$sql))
35          {
36              die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
37          }
38          mysqli_close($conn) ;
39          $data = false;
40      }
41      echo json_encode($data);
42  ?>
```

- LoginScreen.html.php

```php
1   <?php
2       $path = "navPreset.php";
3       include($path);
4
5   ?>
6   <!DOCTYPE html>
7   <html lang="en">
8   <head>
9       <title>Login</title>
10      <meta charset="utf-8">
11      <meta name="viewport" content="width=device-width, initial-scale=1">
12      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
13  </head>
14  <style>
15      .box {
16          margin-left: 35%;
17          margin-right: 35%;
18      }
19      input, select {
20          padding: 12px 20px;
21          margin: 8px 0;
22          display: inline-block;
23          border-radius: 4px;
24          box-sizing: border-box;
25      }
26      .button {
27          width: 50%;
28          background-color: black;
29          color: white;
30          padding: 14px 20px;
31          margin: 8px 0;
32          border: none;
33          border-radius: 4px;
34          cursor: pointer;
35          margin-left:25%;
36      }
37      .heading {
38          text-align: center;
39      }
40      body {
41          background-color: #EAE7DC;
42      }
43  </style>
44  <script>
45  $(document).ready(function() {
46      $('#button').click(function() {
47          var username = $('#username').val();
48          var password = $('#pwd').val();
49          $.ajax({{
50              type: 'POST', url: 'loginScreen.php', data: {username: username, password: password}, dataType: 'json', success: function(success)
51              {
52                  if (success == false) {
53                      alert("Username and/or password are incorrect!");
54                  }
55                  else {
56
57                      if (username == "admin") {
58                          window.location.replace("HomeData.html.php");
59                      }
60                      else {
61                          window.location.replace("HomePage.html.php");
62                      }
63                  }
64              }
65          });
66      });
67  });
68  </script>
69  <body>
70
71      <h2 class="heading">Login</h2>
72      <div class="box">
73          <div class="form-group">
74              <label for="email">Username:</label>
75              <input type="text" class="form-control" id="username" placeholder="Enter email" name="username" >
76          </div>
77          <div class="form-group">
78              <label for="pwd">Password:</label>
79              <input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pwd">
80          </div>
81          <input type="submit" class="button" id="button" value="Submit"/>
82      </div>
83  </body>
84  </html>
```

- LoginScreen.php

```php
<?php
    $path = "db.inc.php";
    include($path);
    if (!isset($_SESSION)) {
        session_start();
    }
    $success = false;
    $passwordSQL = "SELECT password FROM Members WHERE Username = '$_POST[username]'";
    $result = $conn->query($passwordSQL);
    if ($result->num_rows > 0) {
    // output data of each row
        while($row = mysqli_fetch_assoc($result)) {
            $hash = $row["password"];
        }
    }

if (password_verify($_POST["password"], $hash)) {
    $_SESSION['user'] = $_POST['username'];


    $idSQL = "SELECT MembersID FROM Members WHERE Username = '$_POST[username]'";
    $result = $conn->query($idSQL);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = $result->fetch_assoc()) {
            $_SESSION['ID'] = $row['MembersID'];
        }
    }
    //Succesful Login
    $success = true;
}
else {
    $success = false;
}
mysqli_close($conn) ;
echo json_encode($success);
?>

```

- NavPreset.php

```php
<?php
if (!isset($_SESSION)) {
    session_start();
}

echo '
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<style>
    a {
        color: black;
        font-size: 16px;
    }
</style>
<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="HomePage.html.php">Social Media</a>
    </div>';
    if (isset($_SESSION['user'])) {
        echo
    '<ul class="nav navbar-nav">
      <li class="active"><a href="HomePage.html.php">Home</a></li>
    <li><a  href="friends.html.php?user='.$_SESSION["user"].'">Friends</a></li>
    </ul>
    <div id="isSet">
    <ul class="nav navbar-nav">
      <li><a href="searchResult.html.php">Search</a></li>
      <li><a href="messages.html.php?user='.$_SESSION["user"].'">Messages</a></li>
    </ul>
    <ul class="nav navbar-nav navbar-right">
        <li id="user"><a href="profile.html.php?user='.$_SESSION["user"].'">'.$_SESSION["user"].'</a></li>
        <li><a href="logout.php">Log Out</a></li>
        ';
    }

    if (!isset($_SESSION['user'])) {
        echo '<ul class="nav navbar-nav navbar-right">
                <li><a href="http://localhost/Project/Code/registration.html.php"><span class="glyphicon glyphicon-user"></span> Sign Up</a></li>
                <li><a href="http://localhost/Project/Code/loginScreen.html.php"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>';
    }

    echo '</ul>
    </div>
</nav>
';
?>
```

- HomePage.html.php

```php
1    <?php
2        $path = "navPreset.php";
3        include($path);
4
5        if(!isset($_SESSION['user'])) {
6            echo "  <script type='text/javascript'>alert('You are not logged in. Please login!');
7                        javascript:window.location.href = 'loginScreen.html.php' ;
8                    </script>";
9        }
10    ?>
11    <!DOCTYPE html>
12    <html>
13    <head>
14    <title>Home</title>
15    <meta name="viewport" content="width=device-width, initial-scale=1.0">
16    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
17    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
18    <style>
19    .column {
20        -ms-flex: 50%;
21        flex: 50%;
22        padding: 0 4px;
23    }
24    .boxPost {
25        background-color: lightgray;
26        margin-left: auto;
27        margin-right: auto;
28        width: 900px;
29        height: 900px;
30        margin-bottom: 1%;
31    }
32    .centerPic {
33        display: block;
34        margin-left: auto;
35        margin-right: auto;
36        width: 700px;
37        margin-bottom: 1%;
38    }
39    .center {
40        display: block;
41        margin-left: auto;
42        margin-right: auto;
43        width: 50%;
44        margin-bottom: 1%;
45    }
46    .box {
47        position: absolute;
48        left: auto;
49        right: 25%;
50        padding-bottom: 5px;
51    }
52    .button {
53        background-color: black;
54        color: white;
55        padding: 14px 20px;
56        margin: 8px 0;
57        border: none;
58        border-radius: 4px;
59        cursor: pointer;
60    }
61    .positionA {
62        margin-left: 25%;
63        display: inline-block;
64    }
65    .positionB {
66        margin-left: 2%;
67        display: inline-block;
68    }
69    .hide {
70        display: block;
71    }
72    .day {
73        font-size: 16px;
74        font-style: italic;
75        font-weight: bold;
76    }
77        a {
78            color: black;
79            font-size: 16px;
80        }
81    </style>
82    </head>
83    <script>
84    $(document).ready(function(){
85        $.ajax({
86            url: 'mainImageLoad.php', data: "", dataType: 'json',  success: function(data)
87            {
88                for (var i in data)
89                {
90                    var row = data[i];
91
92                    var imagePath = row.Path;
93                    var username = row.Username;
94                    var post = row.Post;
95                    var date = row.Date;
96                    if (imagePath != "" && post != "") {
97                        $("#main").append('<a class="centerPic" href="profile.html.php?user=' + username + '" style="font-size:16px">'+ username +'</a>');
98                        $("#main").append('<p class="centerPic">'+ post +'</p>');
99                        $("#main").append('<img alt="Images" title="Map Image" src="'+ imagePath +'"class="centerPic" />');
100                        $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
101                    }
102                    else if (imagePath != "" && post == "") {
103                        $("#main").append('<a class="centerPic" href="profile.html.php?user=' + username + '" style="font-size:16px">'+ username +'</a>');
104                        $("#main").append('<img alt="Images" title="Map Image" src="'+ imagePath +'"class="centerPic" />');
105                        $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
106                    }
107                    else if (imagePath == "" && post != "") {
108                        $("#main").append('<a class="centerPic" href="profile.html.php?user=' + username + '" style="font-size:16px">'+ username +'</a>');
109                        $("#main").append('<p class="centerPic">'+ post +'</p>');
110                        $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
111                    }
112                }
113            }
114        });
115        day();
116    });
117    function day() {
118        var d = new Date();
119        var n = d.getDay()
120
121        if (n == 0) {
122            $("#day").html('Today is: Sunday');
123        }
124        else if (n == 1) {
125            $("#day").html('Today is: Monday');
126        }
127        else if (n == 2) {
128            $("#day").html('Today is: Tuesday');
129        }
130        else if (n == 3) {
131            $("#day").html('Today is: Wednesday');
132        }
133        else if (n == 4) {
134            $("#day").html('Today is: Thursday');
135        }
136        else if (n == 5) {
137            $("#day").html('Today is: Friday');
138        }
139        else if (n == 6) {
140            $("#day").html('Today is: Saturday');
141        }
142    }
143    </script>
144    <body style='background-color: #EAE7DC;'>
145        <div id="day" class="day">
146        </div>
147    <form method="post" action="upload.php" enctype="multipart/form-data">
148        <div style="text-align: center">
149            <textarea style="resize: none" class="center" cols="50" rows="4" name="post" id="post"></textarea>
150        </div>
151            <div class="positionA">
152                <input type="file" name="fileToUpload" id="fileToUpload" class="button"/>
153            </div>
154            <div class="positionB">
155                <input type='submit' value='Submit' class="button" name="submit" />
156            </div>
157    </form>
158    <div class="" id="main"></div>
159    </body>
160    </html>
```

- Profile.html.php

```php
1   <?php
2       $path = "navPreset.php";
3       include($path);
4
5       if(!isset($_SESSION['user'])) {
6           echo "  <script type='text/javascript'>alert('You are not logged in. Please login!');
7                       javascript:window.location.href = 'loginScreen.html.php' ;
8               </script>";
9       }
10  ?>
11
12  <!DOCTYPE html>
13  <html lang="en">
14  <head>
15      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
16  <title>Profile</title>
17  <style>
18      .box {
19          margin-top: 2.5%;
20          margin-left: 2%;
21          background-color: #E98074;
22          float: left;
23          display: inline-block;
24      }
25      .box2 {
26          margin-top: 2.5%;
27          margin-left: 20%;
28          height: 250px;
29          width: 40%;
30          background-color: #E98074;
31          display: inline-block;
32      }
33      .image {
34          height: 250px;
35          width: 250px;
36      }
37      .centerPic {
38          display: block;
39          margin-left: auto;
40          margin-right: auto;
41          width: 700px;
42          margin-bottom: 1%;
43      }
44      .upload {
45          float: left;
46          background-color: black;
47          color: white;
48          cursor: pointer;
49          margin: 8px 2px;
50          margin-top: 5%;
51          padding: 8px 8px;
52      }
53      .editB {
54          float: left;
55          background-color: black;
56          color: white;
57          cursor: pointer;
58          height: 40px;
59          width: 80px;
60          margin-top: 100px;
61      }
62      .but {
63          float: left;
64          background-color: black;
65          color: white;
66          cursor: pointer;
67          height: 40px;
68          width: 80px;
69          margin-top: 1.5%;
70      }
71      body {
72          background-color: #EAE7DC;
73      }
74      a {
75          color: black;
76          font-size: 16px;
77      }
78      th {
79          font-size: 20px;
80      }
81  </style>
82  </head>
83  <script>
84  function GetURLParameter(sParam)
85  {
86      var sPageURL = window.location.search.substring(1);
87      var sURLVariables = sPageURL.split('&');
88      for (var i = 0; i < sURLVariables.length; i++)
89      {
90          var sParameterName = sURLVariables[i].split('=');
91          if (sParameterName[0] == sParam)
92          {
93              return sParameterName[1];
94          }
95      }
96  }
97  $(document).ready(function(){
98      var username = GetURLParameter("user");
99      $("#profilePic").html('<img alt="Images" title="Map Image" src="Photos/stock.jpg" class="image"/>');
100     $.ajax({
101         type: 'post', url: 'chechLogeduser.php', data: {username: username}, dataType: 'json',  success: function(data)
102         {
103             if (data == true) {
104                 $("#edit").append('<button id="editB" class="editB">Edit</button>');
105                 $("#edit").append('<button id="uploadPic" class="editB">Profile Picture</button>');
106                 $("#edit").append('<button id="passChange" class="editB">Change Password</button>');
107             }
108         }
109     });
```

```javascript
//Upload and Show a profile images
$.ajax({
    type: 'post', url: 'profileImage.php', data: {username: username}, dataType: 'json',  success: function(data)
    {
        var imagePath = data;
        if (imagePath != "") {
            $("#profilePic").html('<img alt="Images" title="Map Image" src="'+ imagePath +'" class="image"/>');
        }
    }
});
//Get user info
$.ajax({
    type: 'post', url: 'userInfo.php', data: {username: username}, dataType: 'json',  success: function(data)
    {
        for (var i in data)
        {
            var row = data[i];

            var interests = row[0];
            var school = row[1];
            var college = row[2];
            var work = row[3];
            var phone = row[4];
            var firstName = row[5];
            var lastName = row[6];
            var dob = row[7];
            var country = row[8];
            var rel = row[9];
            $("#profilePic").append('<h2>' + firstName + ' ' + lastName + '</h2>');
            $("#DOB").html('<th>Date of Birth: ' + dob + '</th>');
            $("#prim").html('<th>Primary/Secondary School: ' + school + '</th>');
            $("#college").html('<th>College: ' + college + '</th>');
            $("#work").html('<th>Workplace: ' + work + '</th>');
            $("#phone").html('<th>Phone: ' + phone + '</th>');
            $("#country").html('<th>Country: ' + country + '</th>');
            $("#Relationship").html('<th>Relationship Status: ' + rel + '</th>');
            $("#interest").html('<th>Interests: '+interests+'</th>');
        }
    }
});
//Load images on profile
$.ajax({
    type: 'post', url: 'imageLoad.php', data: {username: username}, dataType: 'json',  success: function(data)
    {
        var count = 0;
        for (var i in data)
        {
            var row = data[i];

            var imagePath = row.Path;
            var username = row.Username;
            var post = row.Post;
            var date = row.Date;
            if (imagePath != "" && post != "") {
                $("#main").append('<p class="centerPic">'+ post +'</p>');
                $("#main").append('<img alt="Images" title="Map Image" src="'+ imagePath +'"class="centerPic" />');
                $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
            }
            else if (imagePath != "" && post == "") {
                $("#main").append('<img alt="Images" title="Map Image" src="'+ imagePath +'"class="centerPic" />');
                $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
            }
            else if (imagePath == "" && post != "") {
                $("#main").append('<p class="centerPic">'+ post +'</p>');
                $("#main").append('<p class="centerPic">Posted: ' + date + '</p>');
            }
        }
    }
});
$.ajax ({
    type: 'POST', url: 'friendCheck.php', data: {username: username}, dataType: 'json', success: function(data)
    {
        if (data == false) {
            $('#b').html('<button id="addFriend" class="but">Add Friend</button>');
        }
        else if (data == true) {
            $('#b').append('<button id="delete" class="but">Delete Friend</button>');
        }
    }
});
$('body').on('click', '#addFriend', function () {
    $.ajax({
        type: 'post', url: 'getRequest.php', data: {username: username}, dataType: 'json',  success: function(data)
        {
            if (data == false) {
                alert("Problem sending request");
            }
            else {
                alert("Request Send");
            }
        }
    });
```

```
202      });
203 ▼      $('body').on('click', '#editB', function () {
204          window.location = "infoEdit.html.php?user=" + username;
205      });
206 ▼      $('body').on('click', '#uploadPic', function () {
207          window.location = "uploadProfilePic.html.php";
208      });
209 ▼      $('body').on('click', '#passChange', function () {
210          window.location = "passwordChange.html.php?user=" + username;
211      });
212 ▼      $('body').on('click', '#delete', function () {
213          var user = GetURLParameter("user");
214 ▼          $.ajax ({
215              type: 'POST', url: 'deleteFriend.php', data: {user: user}, dataType: 'js
216 ▼              {
217 ▼                  if (data == true) {
218                      alert('Friend Removed');
219                  }
220 ▼                  else {
221                      alert('Something went worng. Please try again!');
222                  }
223              }
224          });
225      });
226  });
227  </script>
228 ▼ <body>
229
230 ▼ <div class="box" id="profilePic">
231
232  </div>
233 ▼ <div class="box2" id="name">
234 ▼     <table>
235          <tr id="DOB">
236          </tr>
237          <tr id="prim">
238          </tr>
239          <tr id="college">
240          </tr>
241          <tr id="interest">
242          </tr>
243          <tr id="work">
244          </tr>
245          <tr id="phone">
246          </tr>
247          <tr id="country">
248          </tr>
249          <tr id="Relationship">
250          </tr>
251      </table>
252      <div id="edit">
253      </div>
254  </div>
255  <div id="b">
256  </div>
257  <div>
258  </div>
259      <br>
260      <br>
261      <br>
262      <br>
263      <br>
264  <div class="column" id="main"></div>
265  </body>
266  </html>
```

- uploadProfilePic.html.php

```php
1   <?php
2       $path = "navPreset.php";
3       include($path);
4
5       if(!isset($_SESSION['user'])) {
6           echo "  <script type='text/javascript'>alert('You are not logged in. Please login!');
7                       javascript:window.location.href = 'loginScreen.html.php' ;
8                   </script>";
9       }
10  ?>
11  <!DOCTYPE html>
12  <html lang="en">
13  <head>
14      <title>Update Info</title>
15      <meta charset="utf-8">
16      <meta name="viewport" content="width=device-width, initial-scale=1">
17      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
18      <style>
19          .column {
20          -ms-flex: 50%;
21          flex: 50%;
22          padding: 0 4px;
23      }
24
25  .center {
26      display: block;
27  }
28  .button {
29      width: 20%;
30      background-color: black;
31      color: lavender;
32      padding: 14px 20px;
33      margin: 8px 0;
34      border: none;
35      border-radius: 4px;
36      cursor: pointer;
37      margin-left: 40%;
38  }
39  body {
40      background-color: #EAE7DC;
41  }
42
43      </style>
44  </head>
45  <body>
46  <form method="post" action="profileImageUpload.php" enctype="multipart/form-data">
47      <div class="center">
48          <input type="file" name="fileToUpload" id="fileToUpload" class="button"/>
49      </div>
50      <div class="center">
51          <input type='submit' value='Submit' class="button" name="submit" />
52      </div>
53  </form>
54  </body>
```

- ProfileImageUpload.php

```php
1   <?php
2   $path = "db.inc.php";
3   include($path);
4   session_start();
5   $target_dir = "Photos/Profile/";
6   $target_name = basename($_FILES["fileToUpload"]["name"]);
7   $setdate = date("Y-m-d_H_i_s");
8   $target_name = $_SESSION['user']."_".$setdate.".jpg";
9   $target_file = $target_dir . $target_name;
10  $uploadOk = 1;
11  $imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
12
13  if ($target_name !== "") {
14  // Check if image file is a actual image or fake image
15      if(isset($_POST["submit"])) {
16          $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
17          if($check !== false) {
18              echo "File is an image - " . $check["mime"] . ".";
19              $uploadOk = 1;
20          }
21          else {
22              echo "File is not an image.";
23              $uploadOk = 0;
24          }
25      }
26      // Allow certain file formats
27      if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg" && $imageFileType != "gif" ) {
28          echo " <script type='text/javascript'>alert('Only .jpg, .png, .jpeg and .gif extensions allowed');
29                      </script>";
30          $uploadOk = 0;
31      }
32      // Check if $uploadOk is set to 0 by an error
33      if ($uploadOk == 0) {
34          echo " <script type='text/javascript'>alert('Sorry, there was a problem uploading your file. Please try again later.');
35                      </script>";
36      // if everything is ok, try to upload file
37      }
38      else {
39          if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
40              $newSQL = "UPDATE profileimage SET Selected = '0' WHERE Username = '$_SESSION[user]'";
41              if (!mysqli_query($conn, $newSQL)) {
42                  die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
43              }
44              $id = $_SESSION['ID'];
45              $username = $_SESSION['user'];
46              $date = date("Y-m-d");
47              $sql = "Insert into profileimage (MembersID, Username, Path, Date, Selected)
48              VALUES ('$id', '$username', '$target_file', '$date', '1')" ;
49
50              if (!mysqli_query($conn,$sql))
51              {
52                  die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
53              }
54              mysqli_close($conn) ;
55              echo "<script>window.location.replace('profile.html.php');</script>";
56          }
57          else {
58              echo " <script type='text/javascript'>alert('Sorry, there was a problem uploading your file. Please try again later.');
59                      </script>";
60          }
61      }
62  }
63  ?>
```

- ProfileImage.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       $username = $_POST["username"];
6
7       $idSQL = "SELECT MembersID FROM members WHERE Username = '$username'";
8       $result = $conn->query($idSQL);
9
10 ▼    while ($row = mysqli_fetch_assoc($result)) {
11          $id = $row["MembersID"];
12      }
13
14      $nameSQL = "SELECT Path FROM profileimage WHERE Username = '$username' AND Selected = '1'";
15      $result = $conn->query($nameSQL);
16 ▼    if ($result->num_rows > 0) {
17          // output data of each row
18 ▼        while($row = mysqli_fetch_assoc($result)) {
19              $imagePath = $row["Path"];
20              $data = $imagePath;
21          }
22          echo json_encode($data);
23      }
24  ?>
```

- SearchResults.html.php

```php
1    <?php
2        $path = "navPreset.php";
3        include($path);
4
5        if(!isset($_SESSION['user'])) {
6            echo "   <script type='text/javascript'>alert('You are not logged in. Please login!');
7                        javascript:window.location.href = 'loginScreen.php' ;
8                    </script>";
9        }
10   ?>
11   <!DOCTYPE html>
12   <html>
13   <head>
14   <meta name="viewport" content="width=device-width, initial-scale=1.0">
15   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
16   <style>
17   .column {
18       -ms-flex: 50%;
19       flex: 50%;
20       padding: 0 4px;
21   }
22
23   .center {
24       display: block;
25       margin-left: auto;
26       margin-right: auto;
27       width: 25%;
28       margin-bottom: 1%;
29   }
30   .box {
31       position: absolute;
32       left: 25%;
33       right: 25%;
34       padding-bottom: 5px;
35       background-color: #E98074;
36       border: 8px solid black;
37       height: 50px;
38   }
39   .button {
40       width: 10%;
41       background-color: black;
42       color: lavender;
43       padding: 14px 20px;
44       margin: 8px 0;
45       border: none;
46       border-radius: 4px;
47       cursor: pointer;
48       margin-left: 45%;
49   }
50   .add {
51       float: right;
52       background-color: #8E8D8A;
53       height: 50px;
54   }
55   body {
56       background-color: #EAE7DC;
57   }
58   a {
59       color: black;
60       font-size: 16px;
61   }
62   </style>
63   </head>
64   <script>
65   $(document).ready(function() {
66       $('#button').click(function() {
67           $('#main').html('');
68           var search = $('#search').val();
69           $.ajax({
70               type: 'POST', url: 'search.php', data: {search: search}, dataType: 'json',  success: function(data)
71               {
72                   for (var i in data)
73                   {
74                       var pos = 0;
75                       var row = data[i];
76                       var username = row[0];
77                       var firstName = row[1];
78                       var lastName = row[2];
79                       var fullName = firstName + " " + lastName;
80
81                       if (data.length > 1) {
82                           $("#main").append('<div class="box"><a href="profile.html.php?user=' + username + '">' + fullName + '( ' + username + ' )' + '</a><button id="add" data-data="'+ username +'" class="add">Add Friend</button></div>' );
83                           $("#main").append('<br><br><br>' );
84                           $("#search").val("");
85                       }
86                       else {
87                           $("#main").html('<div class="box"><a style="color: black;" "href="profile.html.php?user=' + username + '">' + fullName + '</a><button id="add" data-data="'+ username +'" class="add">Add Friend</button></div>' );
88                           $("#search").val("");
89                       }
90                   }
91                   $('body').on('click', '#add', function () {
92                       var username = $(this).data('data');
93                       $.ajax({
94                           type: 'post', url: 'getRequest.php', data: {username: username}, dataType: 'json',  success: function(data)
95                           {
96                               if (data == false) {
97                                   alert("Problem sending request");
98                               }
99                               else {
100                                  alert("Request Send");
101                              }
102                          }
103                      });
104                  });
105              }
106          });
107      });
108  });
109  </script>
110  <body>
111      <input type="text" class="center" id="search" name="search">
112      <input type="submit" value="Search" id="button" class="button">
113  <div class="column" id="main">
114  </div>
115  </body>
116  </html>
```

- Search.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if ($_POST["search"] == "") {
6           $data = "";
7           $search = "";
8       }
9       else {
10          $search = $_POST["search"];
11          $nameSQL = "SELECT Username, FirstName, LastName FROM members WHERE (FirstName LIKE '%".$search."%') OR (LastName LIKE '%".$search."%') OR (Username LIKE '%".$search."%')";
12          $result = $conn->query($nameSQL);
13          if ($result->num_rows > 0) {
14              // output data of each row
15              while($row = mysqli_fetch_assoc($result)) {
16                  $username = $row["Username"];
17                  $firstName = $row["FirstName"];
18                  $lastName = $row["LastName"];
19                  $data[] = array($username,
20                                  $firstName,
21                                  $lastName);
22              }
23              echo json_encode($data);
24          }
25      }
26  ?>
```

- UserInfo.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8
9       $username = $_POST['username'];
10      $int = "";
11      $school = "";
12      $college = "";
13      $work = "";
14      $phone = "";
15      $country = "";
16      $reletionship = "";
17
18      $nameSQL = "SELECT FirstName, LastName, DateOfBirth FROM members WHERE Username = '$username'";
19      $result = $conn->query($nameSQL);
20      if ($result->num_rows > 0) {
21          // output data of each row
22          while($row = mysqli_fetch_assoc($result)) {
23              $FirstName = $row["FirstName"];
24              $LastName = $row["LastName"];
25              $DOB = $row['DateOfBirth'];
26              //$data[] = array($FirstName, $LastName);
27          }
28          //echo json_encode($data);
29      }
30      $infoSql = "SELECT Interests, School, College, Work, PhoneNumber, Country, Reletionship FROM info WHERE Username = '$username'";
31      $result = $conn->query($infoSql);
32      if ($result->num_rows > 0) {
33          // output data of each row
34          while($row = mysqli_fetch_assoc($result)) {
35              $int = $row["Interests"];
36              $school = $row["School"];
37              $college = $row["College"];
38              $work = $row["Work"];
39              $phone = $row["PhoneNumber"];
40              $country = $row["Country"];
41              $reletionship = $row["Reletionship"];
42          }
43      }
44      $data[] = array($int, $school, $college, $work, $phone, $FirstName, $LastName, $DOB, $country, $reletionship);
45      echo json_encode($data);
46  ?>
```

- Logout.php

```php
1   <?php
2       session_start() ;
3       unset($_SESSION['user']);
4
5       session_destroy();
6       $_SESSION = array();
7       echo "  <script type='text/javascript'>alert('You have been logged out');
8                   javascript:window.location.href = 'loginScreen.html.php' ;
9               </script>";
10      exit();
11  ?>
```

- mainImageLoad.php

```php
<?php
    $path = "db.inc.php";
    include($path);

    session_start();

    $user = $_SESSION["user"];

    $friendSQL = "SELECT Username, FriendUsername FROM friends WHERE (Username = '$user' OR FriendUsername = '$user') AND DeleteFlag = '0'";
    $result = $conn->query($friendSQL);
    $index = 0;
    $arrayOfFriends[] = array();
    if ($result->num_rows > 0) {
        while ($row = mysqli_fetch_assoc($result)) {
            $username = $row['Username'];
            $friend = $row["FriendUsername"];

            if ($username == $user) {
                $arrayOfFriends[$index] = $friend;
            }
            else {
                $arrayOfFriends[$index] = $username;
            }
            $index++;
        }

        //echo json_encode($arrayOfFriends);
    }
    $arrayOfFriends[$index] = $user;
    for ($i = 0; $i < count($arrayOfFriends); $i++) {
        $u = $arrayOfFriends[$i];
        $nameSQL = "SELECT ImagePath, Username, Date, Post FROM images  WHERE Username = '$u'";
        $result = $conn->query($nameSQL);
        if ($result->num_rows > 0) {
            // output data of each row
            while($row = mysqli_fetch_assoc($result)) {
                $imagePath = $row["ImagePath"];
                $username = $row["Username"];
                $date = $row["Date"];
                $post = $row["Post"];
                $data[] = array("Path" => $imagePath, "Username" => $username, "Post" => $post, "Date" => $date);
            }
            //echo json_encode($data);
        }
    }
    function cmp($a, $b)
    {
        return strcmp($a["Date"], $b["Date"]) * -1;
    }

    usort($data, "cmp");
    echo json_encode($data);
?>
```

- index.html

```html
<!DOCTYPE html>
<html>
<head>
<title>Messages</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
    </head>
<script>
$(document).ready(function() {
    window.location = "loginScreen.html.php";
});
</script>
<body>
</body>
</html>
```

- acceptFriend.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8       $user = $_SESSION['user'];
9       $friend = $_POST['user'];
10      $data = true;
11
12      $nameSQL = "SELECT FirstName, LastName FROM members WHERE Username = '$friend'";
13      $result = $conn->query($nameSQL);
14      if ($result->num_rows > 0) {
15          // output data of each row
16          while($row = mysqli_fetch_assoc($result)) {
17              $firstName = $row["FirstName"];
18              $lastName = $row["LastName"];
19          }
20      }
21
22      $fullName = $firstName . " " . $lastName;
23
24      $sql = "Insert into friends (Username, FriendUsername, FriendFullName, DeleteFlag)
25      VALUES ('$user', '$friend', '$fullName', '0')" ;
26
27      if (!mysqli_query($conn,$sql))
28      {
29          die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
30          $data = false;
31      }
32
33      $activeSQL = "Update notifications SET Active = '0' WHERE Username = '$friend' AND FriendUsername = '$user'" ;
34
35      if (!mysqli_query($conn,$activeSQL))
36      {
37          die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
38          $data = false;
39      }
40      echo json_encode($data);
41      mysqli_close($conn) ;
42  ?>
```

- deleteFriend.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8       $user = $_SESSION['user'];
9       $friend = $_POST['user'];
10      $data = true;
11
12      $activeSQL = "Update friends SET DeleteFlag = '1' WHERE (Username = '$friend' AND FriendUsername = '$user') OR (Username = '$user' AND FriendUsername = '$friend')" ;
13
14      if (!mysqli_query($conn,$activeSQL))
15      {
16          die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
17          $data = false;
18      }
19      echo json_encode($data);
20      mysqli_close($conn) ;
21  ?>
```

- getInfo.php

```php
<?php
    $path = "db.inc.php";
    include($path);

    if (!isset($_SESSION)) {
        session_start();
    }

    $username = $_SESSION['user'];

    $nameSQL = "SELECT FirstName, LastName, Email, About, DateOfBirth FROM members WHERE Username = '$username'";
    $result = $conn->query($nameSQL);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = mysqli_fetch_assoc($result)) {
            $FirstName = $row["FirstName"];
            $LastName = $row["LastName"];
            $email = $row["Email"];
            $about = $row["About"];
            $DOB = $row['DateOfBirth'];
            //$data[] = array($FirstName, $LastName);
        }
        //echo json_encode($data);
    }
    $infoSql = "SELECT Interests, School, College, Work, PhoneNumber, Country, Reletionship FROM info WHERE Username = '$username'";
    $result = $conn->query($infoSql);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = mysqli_fetch_assoc($result)) {
            $int = $row["Interests"];
            $school = $row["School"];
            $college = $row["College"];
            $work = $row["Work"];
            $phone = $row["PhoneNumber"];
            $country = $row["Country"];
            $reletionship = $row["Reletionship"];
        }
    }
        $data[] = array($FirstName, $LastName, $email, $about, $DOB, $int, $school, $college, $work, $phone, $country, $reletionship);
        echo json_encode($data);
?>
```

- getRequest.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8
9       $friend = $_POST["username"];
10      $user = $_SESSION["user"];
11
12      $sql = "Insert into notifications (Username, FriendUsername, Active)
13          VALUES ('$user', '$friend', '1')" ;
14
15      if (!mysqli_query($conn,$sql))
16      {
17          die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
18          $data = false;
19      }
20      else {
21          $data = true;
22      }
23      mysqli_close($conn) ;
24
25      echo json_encode($data);
26  ?>
```

- deleteNotification.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8       $user = $_SESSION['user'];
9       $friend = $_POST['user'];
10      $data = true;
11
12      $activeSQL = "Update notifications SET Active = '0' WHERE (Username = '$friend' AND FriendUsername = '$user') OR (Username = '$user' AND FriendUsername = '$friend')" ;
13
14      if (!mysqli_query($conn,$activeSQL))
15      {
16          die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
17          $data = false;
18      }
19      echo json_encode($data);
20      mysqli_close($conn) ;
21  ?>
```

- chechLogedUser.php

```php
<?php
    $path = "db.inc.php";
    include($path);
    if (!isset($_SESSION)) {
        session_start();
    }
    $user = $_SESSION['user'];
    $username = $_POST['username'];

    if ($user == $username) {
        $data = true;
    }
    else {
        $data = false;
    }

    echo json_encode($data);
?>
```

- infoEdit.html.php

```php
<?php
    $path = "navPreset.php";
    include($path);

    if(!isset($_SESSION['user'])) {
        echo " <script type='text/javascript'>alert('You are not logged in. Please login!');
                    javascript:window.location.href = 'loginScreen.html.php' ;
                </script>";
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Update Info</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
    <style>
        .box {
            margin-left: 35%;
            margin-right: 35%;
        }
        input, select {
            padding: 12px 20px;
            margin: 8px 0;
            display: inline-block;
            border-radius: 4px;
            box-sizing: border-box;
        }
        .button {
            width: 50%;
            background-color: black;
            color: white;
            padding: 14px 20px;
            margin: 8px 0;
            border: none;
            border-radius: 4px;
            cursor: pointer;
            margin-left:25%;
        }
        .heading {
            text-align: center;
        }
        .center {
            resize: none;
            display: block;
            margin-left: auto;
            margin-right: auto;
            width: 100%;
            margin-bottom: 1%;
        }
        body {
            background-color: #EAE7DC;
        }
    </style>
    <script>
    function GetURLParameter(sParam)
    {
        var sPageURL = window.location.search.substring(1);
        var sURLVariables = sPageURL.split('&');
        for (var i = 0; i < sURLVariables.length; i++)
        {
            var sParameterName = sURLVariables[i].split('=');
            if (sParameterName[0] == sParam)
            {
                return sParameterName[1];
            }
        }
    }
    $(document).ready(function() {
        $.ajax({
            url: 'getInfo.php', data: "", dataType: 'json',  success: function(data)
            {
                for (var i in data) {
                    var row = data[i];

                    var fName = row[0];
                    var lName = row[1];
                    var email = row[2];
                    var about = row[3];
                    var dob = row[4];
                    var interests = row[5];
                    var school = row[6];
                    var college = row[7];
                    var work = row[8];
                    var phone = row[9];
                    var country = row[10];
                    var relationship = row[11];

                    $("#email").attr("value", email);
                    $("#firstName").attr("value", fName);
                    $("#lastName").attr("value", lName);
                    $("#dob").attr("value", dob);
                    $("#interests").attr("value", interests);
                    $("#prim").attr("value", school);
                    $("#college").attr("value", college);
                    $("#work").attr("value", work);
                    $("#country").attr("value", country);
                    $("#phone").attr("value", phone);
                    $("#about").val(about);
                    $("#relationship").val(relationship);
                }
            }
        });
    });
    </script>
</head>
<body id="main">
<div class="box">
    <h2 class="heading">Update Info</h2>
    <form action="updateInfo.php" method="post">
    <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" class="form-control" id="email" value="" name="email" required>
    </div>
    <div class="form-group">
        <label for="fname">First Name:</label>
        <input type="text" class="form-control" id="firstName" value="" name="firstName">
    </div>
    <div class="form-group">
        <label for="lname">Last Name:</label>
        <input type="text" class="form-control" id="lastName" value="" name="lastName">
    </div>
    <div class="form-group">
        <label for="dob">Date of Birth:</label>
        <input type="date" class="form-control" id="dob" name="dob" value="">
    </div>
    <div class="form-group">
        <label for="pwd">Interests:</label>
        <input type="text" class="form-control" id="interests" value="" name="interests" required>
    </div>
    <div class="form-group">
        <label for="prim">Primary / Secondary School</label>
        <input type="text" class="form-control" id="prim" value="" name="prim" required>
    </div>
    <div class="form-group">
        <label for="college">College:</label>
        <input type="text" class="form-control" id="college" value="" name="college" required>
    </div>
    <div class="form-group">
        <label for="pwd">Workplace:</label>
        <input type="text" class="form-control" id="work" value="" name="work" required>
    </div>
    <div class="form-group">
        <label for="pwd">Country:</label>
        <input type="text" class="form-control" id="country" value="" name="country" required>
    </div>
    <div class="form-group">
        <label for="pwd">Phone:</label>
        <input type="number" class="form-control" id="phone" value="" name="phone" required>
    </div>
    <div class="form-group">
        <label for="about">About:</label>
        <textarea class="center" cols="50" rows="5" id="about"  name="about"></textarea>
    </div>
    <div class="form-group">
        <label for="relationship">Relationship Status:</label>
        <select class="form-control" id="relationship" name="relationship" value="">
            <option>Prefer not to say</option>
            <option>Single</option>
            <option>Married</option>
            <option>Widowed</option>
        </select>
    </div>
    <button type="submit" class="button" id="button">Edit</button>
    </form>
</div>

</body>
</html>
```

- updateInfo.php

```php
<?php
    $path = "db.inc.php";
    include($path);
    date_default_timezone_set("UTC") ;

    if (!isset($_SESSION)) {
        session_start();
    }
    $user = $_SESSION['user'];
    $username = "";
    //members table
    $email = $_POST["email"];
    $firstName = $_POST["firstName"];
    $lastName = $_POST["lastName"];
    $about = $_POST["about"];
    $date = date("Y-m-d", strtotime($_POST['dob']));
    //info table
    $interests = $_POST["interests"];
    $prim = $_POST["prim"];
    $college = $_POST["college"];
    $work = $_POST["work"];
    $phone = $_POST["phone"];
    $country = $_POST["country"];
    $relationship = $_POST["reletionship"];

    $checkSQL = "Select Username FROM info WHERE Username = '$user'";
    $result = $conn->query($checkSQL);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = mysqli_fetch_assoc($result)) {
            $username = $row["Username"];
        }
    }
if ($username == "") {
    $newsql = "INSERT INTO info (USername, Interests, School, College, Work, PhoneNumber, Country, Reletionship) VALUES ('$user', '$interests', '$prim', '$college', '$work', '$phone', '$country', '$relationship')" ;
    if (!mysqli_query($conn,$newsql))
    {
        die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
        $data2 = false;
    }
    $sql = "UPDATE members SET FirstName = '$firstName', LastName = '$lastName', Email = '$email', About = '$about', DateOfBirth = '$date' WHERE Username = '$user'" ;
    if (!mysqli_query($conn,$sql))
    {
        die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
        $data1 = false;
    }
}
else {
    $sql = "UPDATE members SET FirstName = '$firstName', LastName = '$lastName', Email = '$email', About = '$about', DateOfBirth = '$date' WHERE Username = '$user'" ;
    if (!mysqli_query($conn,$sql))
    {
        die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
        $data1 = false;
    }

    $newsql = "UPDATE info SET Interests = '$interests', School = '$prim', College = '$college', Work = '$work', PhoneNumber = '$phone', Country = '$country', Reletionship = '$relationship' WHERE Username = '$user'" ;

    if (!mysqli_query($conn,$newsql))
    {
        die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
        $data2 = false;
    }
}
    mysqli_close($conn) ;
    echo "<script>window.location = 'profile.html.php?user=".$user."'</script>";
?>
```

- passwordChange.html.php

```php
1   <?php
2       $path = "navPreset.php";
3       include($path);
4
5       if(!isset($_SESSION['user'])) {
6           echo "  <script type='text/javascript'>alert('You are not logged in. Please login!');
7                       javascript:window.location.href = 'loginScreen.html.php' ;
8               </script>";
9       }
10  ?>
11  <!DOCTYPE html>
12  <html lang="en">
13  <head>
14      <title>Login</title>
15      <meta charset="utf-8">
16      <meta name="viewport" content="width=device-width, initial-scale=1">
17      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
18  </head>
19  <style>
20      .box {
21          margin-left: 35%;
22          margin-right: 35%;
23      }
24      input, select {
25          padding: 12px 20px;
26          margin: 8px 0;
27          display: inline-block;
28          border-radius: 4px;
29          box-sizing: border-box;
30      }
31      .button {
32          width: 50%;
33          background-color: black;
34          color: white;
35          padding: 14px 20px;
36          margin: 8px 0;
37          border: none;
38          border-radius: 4px;
39          cursor: pointer;
40          margin-left:25%;
41      }
42      .heading {
43          text-align: center;
44      }
45  </style>
46  <script>
47  $(document).ready(function() {
48      $('#button').click(function() {
49          var oldPass = $('#oldPass').val();
50          var newPassword = $('#newPass').val();
51          var conNewPass = $('#conNewPass').val();
52
53          if (newPassword != conNewPass) {
54              alert("Passwords do not match!");
55          }
56          else {
57              $.ajax({
58                  type: 'POST', url: 'changePassword.php', data: {oldPass: oldPass, newPassword: newPassword}, dataType: 'json',  success: function(success)
59                  {
60                      if (success == true) {
61                          alert("Password changed succesfuly!");
62                      }
63                      else {
64                          alert("Something went wrong. Please try again later!");
65                      }
66                  }
67              });
68          }
69      });
70  });
71  </script>
72  <body>
73
74      <h2 class="heading">Change Password</h2>
75      <div class="box">
76          <div class="form-group">
77              <label for="email">Current Password:</label>
78              <input type="password" class="form-control" id="oldPass" placeholder="Enter email" name="username" >
79          </div>
80          <div class="form-group">
81              <label for="pwd">New Password:</label>
82              <input type="password" class="form-control" id="newPass" placeholder="Enter password" name="pwd">
83          </div>
84          <div class="form-group">
85              <label for="pwd">Confirm New Password:</label>
86              <input type="password" class="form-control" id="conNewPass" placeholder="Enter password" name="pwd">
87          </div>
88          <input type="submit" class="button" id="button" value="Submit"/>
89      </div>
90  </body>
91  </html>
```

- changePassword.php

```php
1    <?php
2        $path = "db.inc.php";
3        include($path);
4        if (!isset($_SESSION)) {
5            session_start();
6        }
7
8        $oldPassword = $_POST["oldPass"];
9        $newPass = $_POST["newPassword"];
10       $newHash = password_hash($newPass, PASSWORD_DEFAULT);
11
12       $passwordSQL = "SELECT password FROM members WHERE Username = '$_SESSION[user]'";
13       $result = $conn->query($passwordSQL);
14       if ($result->num_rows > 0) {
15       // output data of each row
16           while($row = mysqli_fetch_assoc($result)) {
17               $hash = $row["password"];
18           }
19       }
20
21   if (password_verify($oldPassword, $hash)) {
22
23       $sql = "UPDATE members SET Password = '$newHash' WHERE Username = '$_SESSION[user]'" ;
24       if (!mysqli_query($conn,$sql))
25       {
26           die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
27           $success = false;
28       }
29       else {
30           $success = true;
31       }
32   }
33   else {
34       $success = false;
35   }
36   mysqli_close($conn) ;
37   echo json_encode($success);
38   ?>
```

- friends.html.php

```php
<?php
    $path = "navPreset.php";
    include($path);

    /*if(!isset($_SESSION['user'])) {
        echo " <script type='text/javascript'>alert('You are not logged in. Please login!');
                        javascript:window.location.href = 'loginScreen.php' ;
                </script>";
    }*/
?>
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<style>
.column {
    -ms-flex: 50%;
    flex: 50%;
    padding: 0 4px;
}

.center {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 50%;
    margin-bottom: 1%;
}
.box {
    position: absolute;
    left: 25%;
    right: 25%;
    padding-bottom: 5px;
    background-color: #E98074;
    border: 0px solid black;
    height: 50px;
}
.button {
    width: 10%;
    background-color: black;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    margin-left: 45%;
}
.h2 {
    text-align: center;
    margin-bottom: 25px;
    margin-top: 10px;
}
.add {
    float: right;
    height: 50px;
    background-color: #EEDBA;
}
body {
        background-color: #EAE7DC;
    }
a {
    color: black;
    font-size: 16px;
    }
</style>
</head>
<script>
function GetURLParameter(sParam)
{
    var sPageURL = window.location.search.substring(1);
    var sURLVariables = sPageURL.split('&');
    for (var i = 0; i < sURLVariables.length; i++)
    {
        var sParameterName = sURLVariables[i].split('=');
        if (sParameterName[0] == sParam)
        {
            return sParameterName[1];
        }
    }
}
$(document).ready(function() {
    $.ajax({
        url: 'notificationsGet.php', data: "", dataType: 'json',  success: function(data)
        {
            var u = GetURLParameter("user");

            for (var i in data)
            {
                var row = data[i];
                var username = row[0];
                var friendUser = row[1];

                if (username == u) {
                    if (data.length > 1) {
                        $("#sent").append('<div class="box"><a href="profile.html.php?user=' + friendUser + '">' + friendUser + '</a><button id="cancel" data-data="'+ friendUser +'"class="add">Cancell Request</button></div>' );
                        $("#sent").append('<br><br>' );
                        $("#search").val("");
                    }
                    else {
                        $("#sent").html('<div class="box"><a href="profile.html.php?user=' + friendUser + '">' + friendUser + '</a><button id="cancel" data-data="'+ friendUser +'" class="add">Cancell Request</button></div>' );
                        $("#sent").append('<br><br>' );
                        $("#search").val("");
                    }
                }
                else {
                    if (data.length > 1 ) {
                        $("#requests").append('<div class="box"><a href="profile.html.php?user=' + username + '">' + username + '</a><button id="accept" data-data="'+ username +'"class="add">Accept</button><button id="cancel" data-data="'+ username +'"class="add">Delete</button></div>' );
                        $("#requests").append('<br><br>' );
                        $("#search").val("");
                    }
                    else {
                        $("#requests").html('<div class="box"><a href="profile.html.php?user=' + username + '">' + username + '</a><button id="accept" data-data="'+ username +'"class="add">Accept</button><button id="cancel" data-data="'+ username +'"class="add">Delete</button></div>' );
                        $("#requests").append('<br><br>' );
                        $("#search").val("");
                    }
                }
            }
            $('body').on('click', '#accept', function () {
                var user = $(this).data('data');
                $.ajax ({
                    type: 'POST', url: 'acceptFriend.php', data: {user: user}, dataType: 'json', success: function(data)
                    {
                        if (data == true) {
                            alert('Request Accepted');
                        }
                        else {
                            alert('Request could not be accepted');
                        }
                    }
                });
            });
            $('body').on('click', '#cancel', function () {
                var user = $(this).data('data');
                $.ajax ({
                    type: 'POST', url: 'deleteNotification.php', data: {user: user}, dataType: 'json', success: function(data)
                    {
                        if (data == true) {
                            alert('Request Deleted');
                        }
                        else {
                            alert('Request could not be deleted');
                        }
                    }
                });
            });
        }
    });
    $.ajax({
        url: 'friends.php', data: "", dataType: 'json', success: function(data)
        {
            var u = GetURLParameter("user");

            for (var i in data)
            {
                var row = data[i];
                var username = row[0];
                var friendUser = row[1];

                if (username == u) {
                    if (data.length > 1) {
                        $("#friends").append('<div class="box"><a href="profile.html.php?user=' + friendUser + '">' + friendUser + '</a></div>' );
                        $("#friends").append('<br><br>' );
                        $("#search").val("");
                    }
                    else {
                        $("#friends").html('<div class="box"><a href="profile.html.php?user=' + friendUser + '">' + friendUser + '</a></div>' );
                        $("#search").val("");
                    }
                }
                else {
                    if (data.length > 1) {
                        $("#friends").append('<div class="box"><a href="profile.html.php?user=' + username + '">' + username + '</a></div>' );
                        $("#friends").append('<br><br>' );
                        $("#search").val("");
                    }
                    else {
                        $("#friends").html('<div class="box"><a href="profile.html.php?user=' + username + '">' + username + '</a></div>' );
                        $("#search").val("");
                    }
                }
            }
        }
    });
});
</script>
<body>
<div class="column" id="main">
    <h2 class="h2">Friend Requests</h2>
    <div id="requests">
    </div>
    <h2 class="h2">Sent Requests</h2>
    <div id="sent">
    </div>
    <h2 class="h2">Friends</h2>
    <div id="friends">
    </div>
</div>
</body>
</html>
```

- friends.php

```php
1   <?php
2       $path = "db.inc.php";
3       include($path);
4
5       if (!isset($_SESSION)) {
6           session_start();
7       }
8
9           $nameSQL = "SELECT Username, FriendUsername FROM friends WHERE (Username = '$_SESSION[user]' OR FriendUsername = '$_SESSION[user]') AND DeleteFlag = '0'";
10          $result = $conn->query($nameSQL);
11          if ($result->num_rows > 0) {
12              // output data of each row
13              while($row = mysqli_fetch_assoc($result)) {
14                  $username = $row["Username"];
15                  $friendUsername = $row["FriendUsername"];
16                  $data[] = array($username, $friendUsername);
17              }
18              echo json_encode($data);
19          }
20  ?>
```

- friendCheck.php

```php
<?php
    $path = "db.inc.php";
    include($path);
    if (!isset($_SESSION)) {
        session_start();
    }
    $user = $_SESSION['user'];
    $friend = $_POST['username'];
    $u = "";
    $f = "";
    //$data = false;

    if ($user != $friend) {
        $nameSQL = "SELECT Username, FriendUsername FROM friends WHERE (Username = '$user' OR FriendUsername = '$user') AND (Username = '$friend' OR FriendUsername = '$friend') AND DeleteFlag = '0'";
        $result = $conn->query($nameSQL);
        if ($result->num_rows > 0) {
            // output data of each row
            while($row = mysqli_fetch_assoc($result)) {
                $f = $row["FriendUsername"];
                $u = $row["Username"];
            }
        }
        if($friend != $f && $friend != $u) {
            $data = false;
        }
        else {
            $data = true;
        }
    }
    else if ($user == $friend) {
        $data = "me";
    }
    echo json_encode($data);
?>
```

- notificationsGet.php

```php
<?php
    $path = "db.inc.php";
    include($path);

    if (!isset($_SESSION)) {
        session_start();
    }

    $nameSQL = "SELECT Username, FriendUsername FROM notifications WHERE (Username = '$_SESSION[user]' OR FriendUsername = '$_SESSION[user]') AND Active = '1'";
    $result = $conn->query($nameSQL);
    if ($result->num_rows > 0) {
        // output data of each row
        while($row = mysqli_fetch_assoc($result)) {
            $username = $row["Username"];
            $friendUsername = $row["FriendUsername"];
            $data[] = array($username, $friendUsername);
        }
        echo json_encode($data);
    }
?>
```

- messages.html.php

```php
<?php
    $path = "navPreset.php";
    include($path);

    if(!isset($_SESSION['user'])) {
        echo " <script type='text/javascript'>alert('You are not logged in. Please login!');
                    javascript:window.location.href = 'loginScreen.php' ;
                    </script>";
    }
?>
<!DOCTYPE html>
<html>
<head>
<title>Messages</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<style>
.column {
    -ms-flex: 50%;
    flex: 50%;
    padding: 0 4px;
}

.center {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 50%;
    margin-bottom: 1%;
}
.box {
    position: absolute;
    left: 25%;
    right: 25%;
    padding-bottom: 5px;
    background-color: #E9B074;
    border: 0px solid black;
    height: 100px;
}
.button {
    width: 10%;
    background-color: black;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    margin-left: 45%;
}
.h2 {
    text-align: center;
    margin-bottom: 25px;
    margin-top: 10px;
}
.message {
    resize: none;
    align-self: center;
    columns: 200;
}
.sel {
    width: 30%;
    margin-left: 35%;
    height: 30px;
    align-content: center;
}
.m {
    font-size: 16;
}
.date {
    float: right;
}
        body {
            background-color: #EAE7DC;
        }
    m {
        color: black;
        font-size: 16px;
    }
</style>
</head>
<script>
function GetURLParameter(sParam)
{
    var sPageURL = window.location.search.substring(1);
    var sURLVariables = sPageURL.split('&');
    for (var i = 0; i < sURLVariables.length; i++)
    {
        var sParameterName = sURLVariables[i].split('=');
        if (sParameterName[0] == sParam)
        {
            return sParameterName[1];
        }
    }
}
$(document).ready(function() {
    var u = GetURLParameter("user");
    $.ajax({
        url: 'friends.php', data: "", dataType: 'json', success: function(data)
        {
            for (var i in data)
            {
                var row = data[i];
                var username = row[0];
                var friendUser = row[1];

                if (username == u) {
                    $('#sel').append('<option id="opt">' + friendUser + '</option>');
                }
                else {
                    $('#sel').append('<option id="opt">' + username + '</option>');
                }
            }
        }
    });
    $("#sel").change(function () {
        var user = $('#sel').val();
        $('#messages').html('');
        $.ajax({
            type: 'POST', url: 'showMessages.php', data: {user: user}, dataType: 'json', success: function(data)
            {
                for (var i in data)
                {
                    var row = data[i];
                    var username = row[0];
                    var friendUser = row[1];
                    var message = row[2];
                    var dateTime = row[3];

                    $('#messages').append('<div class="box"><a class="a" href="profile.html?user='+username+'">'  + username + '</a><b class="date">' + dateTime + '</b><br><p>'+ message + '</p>');
                    $('#messages').append('</div>');
                    $('#messages').append('<br><br><br><br><br><br>');
                }
            }
        });
    });
    $('#send').click(function(){
        var friend = $('#sel').val();
        var message = $('#message').val();

        $.ajax({
            type: 'POST', url: 'sendMessage.php', data: {friend: friend, message: message}, dataType: 'json', success: function(data)
            {
                if (data != true) {
                    alert("Could not send the message");
                }
                else {
                    alert("Message Sent");
                }
            }
        });
    });
});
</script>
<body>
<div class="column" id="main">
    <div class="form-group">
        <select class="sel" id="sel">
            <option>Select a friend</option>
        </select>
    </div>
    <div id="messages">
    </div>

    <br>
    <br>
    <br>
    <div style="text-align: center">
        <textarea class="message" cols="50" rows="3" name="message" id="message"></textarea>
    </div>
    <button class="button" id="send">Send Message</button>
</div>
</body>
</html>
```

- sendMessage.php

```php
1  <?php
2      $path = "db.inc.php";
3      include($path);
4
5      if (!isset($_SESSION)) {
6          session_start();
7      }
8      $user = $_SESSION['user'];
9      $friend = $_POST['friend'];
10     $message = $_POST['message'];
11     $date = date("Y-m-d H:i:s");
12     $data = true;
13
14     $sql = "Insert into messages (Username, FriendUsername, Message, DateTime)
15     VALUES ('$user', '$friend', '$message', '$date')" ;
16
17     if (!mysqli_query($conn,$sql))
18     {
19         die ("An Error in the SQL Query: ".mysqli_error($conn) ) ;
20         $data = false;
21     }
22     echo json_encode($data);
23     mysqli_close($conn) ;
24  ?>
```

- showMessage.php

```php
1  <?php
2      $path = "db.inc.php";
3      include($path);
4
5      if (!isset($_SESSION)) {
6          session_start();
7      }
8
9      $username = $_SESSION['user'];
10     $friend  = $_POST['user'];
11
12     $SQL = "SELECT Username, FriendUsername, Message, DateTime FROM messages WHERE (Username = '$username' AND FriendUsername = '$friend') OR (Username = '$friend' AND FriendUsername = '$username')";
13     $result = $conn->query($SQL);
14     if ($result->num_rows > 0) {
15         // output data of each row
16         while($row = mysqli_fetch_assoc($result)) {
17             $user = $row["Username"];
18             $friendUser = $row["FriendUsername"];
19             $message = $row["Message"];
20             $dateTime = $row["DateTime"];
21             $data[] = array($user, $friendUser, $message, $dateTime);
22         }
23         echo json_encode($data);
24     }
25
26  ?>
```

- HomeData.html.php

```php
<?php
    $path = "navPresetAdmin.php";
    include($path);

    if($_SESSION['user'] != "admin") {
        echo " <script type='text/javascript'>alert('Only Admin is allowed to visit this page!');
                javascript:window.location.href = 'loginScreen.html.php' ;
            </script>";
    }
?>
<!DOCTYPE html>
<html>
<head>
<title>Usage</title>
<style type="text/css">
.BODY {
    width: 550PX;
}

#chart-container {
    width: 50%;
    height: 50%;
}
</style>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/Chart.js/2.5.0/Chart.min.js"></script>


</head>
<body>
    <div id="chart-container">
        <canvas id="graphCanvas"></canvas>
    </div>

    <script>
        $(document).ready(function () {
            showGraph();
        });

        function Last7Days () {
            var result = [];
            for (var i=0; i<7; i++) {
                var d = new Date();
                d.setDate(d.getDate() - i);
                result.push( formatDate(d) );
            }
            return result;
        }
        //https://stackoverflow.com/questions/23593052/format-javascript-date-as-yyyy-mm-dd
        function formatDate(date) {
            var d = new Date(date),
                month = '' + (d.getMonth() + 1),
                day = '' + d.getDate(),
                year = d.getFullYear();

            if (month.length < 2)
                month = '0' + month;
            if (day.length < 2)
                day = '0' + day;

            return [year, month, day].join('-');
        }

        function showGraph()
        {
            {
                $.ajax({
                    url: 'data.php', data: "", dataType: 'json',  success: function(data)
                    {
                        var date = [];
                        var counter = 0;
                        var count = [];
                        var p = Last7Days();
                        var last7Days = [];

                        for (var x in p) {
                            last7Days.push(p[x]);
                        }
                        last7Days.sort();
                        for (var i in last7Days)
                        {
                            var arrayDate = last7Days[i];

                            for (var y in data) {
                                var row = data[y];
                                var d = row.Date;
                                d = formatDate(d);
                                arrayDate = formatDate(arrayDate);

                                if (arrayDate === d) {
                                    counter++;
                                }
                            }
                            count[i] = counter;
                            counter = 0;
                        }
                        var chartdata = {
                        labels: last7Days,
                        datasets: [
                            {
                                label: 'Posts in Last Seven Days',
                                backgroundColor: '#49e2ff',
                                borderColor: '#46d5f1',
                                hoverBackgroundColor: '#CCCCCC',
                                hoverBorderColor: '#666666',
                                data: count
                            }
                        ]
                        };

                        var graphTarget = $("#graphCanvas");

                        var barGraph = new Chart(graphTarget, {
                            type: 'bar',
                            data: chartdata
                        });
                    }
                });
            }
        }
    </script>

</body>
</html>
```

- Data.php

```php
<?php
require_once('db.inc.php');

$sqlQuery = "SELECT Date FROM images";

$result = mysqli_query($conn,$sqlQuery);

$data = array();
foreach ($result as $row) {
    $username = $row;
    $data[] = $row;
}

mysqli_close($conn);

echo json_encode($data);
?>
```