```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Login page</title>
6   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7   </head>
8
9   <body>
10
11  <?php
12
13  // If user is directed back here from an unsuccessful login attempt, display their
    entered username (if entered).
14  if (isset($_GET['UserLogin']) && $_GET['UserLogin'] != '') {
15      $UserLogin = $_GET['UserLogin'];
16      echo "Error - unsuccessful login attempt for username: " . $UserLogin . "<br />";
17  }
18
19  ?>
20
21  <! HTML section for form >
22
23  <h1> Welcome to the Cherwell School Mentoring scheme online.</h1>
24
25  <p>Please enter your details.</p>
26  <form action =
    'ProcessLoginPage.php?UserLogin=$UserLogin&UserPassword=$UserPassword&UserType=$UserTy
    pe' method = 'get'>
27
28  <! username variable: UserLogin, the user login name >
29
30  <p> username:
31  <input type = 'text' name = 'UserLogin' id = 'UserLogin' maxlength = '15'>
32  </p>
33
34  <! password variable: UserPassword, the user login password >
35
36  <p> passphrase:
37  <input type = 'password' name = 'UserPassword' id = 'UserPassword' maxlength = '12'>
38  </p>
39
40  <! user type variable: UserType, the type of user >
41
42  <p> user type:
43
44  <input type = 'radio' name = 'UserType' value = 1>Student</input>
45  <input type = 'radio' name = 'UserType' value = 2>Parent</input>
46  <input type = 'radio' name = 'UserType' value = 3>Mentor</input>
47
48  </p>
49  <input name = 'submit' type = 'submit' id= 'submit' >
50  </form>
51
52  <p>This system is designed to support PHP version 5.2.8 or higher and MYSQL version
    5 or higher.</p>
```

```
53
54    </body>
55    </html>
```

```php
1  <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
   http://www.w3.org/TR/html4/loose.dtd">
2  <html>
3  <head>
4  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5  <title>Processing...</title>
6  <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8  <?php
9
10 require_once('DatabaseConnectPage.php');
11 session_start();
12
13 ?>
14
15 </head>
16
17 <body>
18
19 <?php
20
21 // This page has no user interface. It is merely a page to process the login and
   find a match with existing records in the respective user table.
22
23 // Checks if login, password and user type are set. If so, set global variables for
   each. If not, return to LoginPage.
24 if (isset($_GET['UserLogin'])) {
25     $UserLogin = $_GET['UserLogin'];
26     if (isset($_GET['UserPassword'])) {
27         $UserPassword = $_GET['UserPassword'];
28         if (isset($_GET['UserType'])) {
29             $UserType = $_GET['UserType'];
30         } else {
31             header("location:login1.php?UserLogin=$UserLogin");
32         }
33     } else if (isset($_GET['UserLogin'])) {
34         header("location:login1.php?UserLogin=$UserLogin");
35     }
36 } else {
37     header("location:login1.php");
38 }
39
40 // Individual user types have their own tables and must have separate SQL queries.
41 switch ($UserType) {
42
43 // Student case
44     case 1:
45
46     $logsql = "SELECT `StudentFirstName`, `StudentSurname`, `StudentID`,
   `StudentForm`, `StudentEmail`, `StudentPhoneNumber` FROM `StudentTable` WHERE
   `StudentLogin` = '$UserLogin' AND `StudentPassword` = '$UserPassword' ";
47     $logsqlquery = mysql_query($logsql);
48     $logsqlarray = mysql_fetch_array($logsqlquery);
49
50     break;
51
52 // Parent case
```

```php
53      case 2:
54
55      $logsql = "SELECT ParentFirstName, ParentSurname, ParentID, ParentEmail,
    ParentPhoneNumber FROM ParentTable WHERE ParentLogin = '$UserLogin' AND
    ParentPassword = '$UserPassword' ";
56      $logsqlquery = mysql_query($logsql);
57      $logsqlarray = mysql_fetch_array($logsqlquery);
58
59      break;
60
61  // Mentor case
62      case 3:
63
64      $logsql = "SELECT MentorFirstName, MentorSurname, MentorID, MentorEmail,
    MentorPhoneNumber FROM MentorTable WHERE MentorLogin = '$UserLogin' AND
    MentorPassword = '$UserPassword' ";
65      $logsqlquery = mysql_query($logsql);
66      $logsqlarray = mysql_fetch_array($logsqlquery);
67
68      break;
69
70  }
71
72  // Following code is executed if any entry is found in database table. Different
    commands are executed for each category of user.
73  if ($logsqlarray) {
74
75      switch($UserType) {
76
77  // Student case
78          case 1:
79
80  // Global variables are set from the array.
81          $StudentLogin = "$UserLogin";
82          $StudentFirstName = "$logsqlarray[0]";
83          $StudentSurname = "$logsqlarray[1]";
84          $StudentID = "$logsqlarray[2]";
85          $StudentForm = "$logsqlarray[3]";
86          $StudentEmail= "$logsqlarray[4]";
87          $StudentPhoneNumber= "$logsqlarray[5]";
88
89  // User type labelled for the user.
90          $UserTypeName = "student";
91
92  // Session variables are set so that current information may be retrieved in other
    pages in the same session.
93          $_SESSION['StudentLogin'] = $StudentLogin;
94          $_SESSION['StudentFirstName'] = $StudentFirstName;
95          $_SESSION['StudentSurname'] = $StudentSurname;
96          $_SESSION['StudentForm'] = $StudentForm;
97          $_SESSION['StudentID'] = $StudentID;
98          $_SESSION['StudentEmail'] = $StudentEmail;
99          $_SESSION['StudentPhoneNumber'] = $StudentPhoneNumber;
100         $_SESSION['UserID'] = $StudentID;
101
102         $_SESSION['UserLogin'] = $_SESSION['StudentLogin'];
103         $_SESSION['UserFirstName'] = $_SESSION['StudentFirstName'];
```

```php
104             $_SESSION['UserSurname'] = $_SESSION['StudentSurname'];
105             $StudentForm = $_SESSION['StudentForm'];
106             $_SESSION['UserEmail'] = $_SESSION['StudentEmail'];
107             $_SESSION['UserPhoneNumber'] = $_SESSION['StudentPhoneNumber'];

109             break;

111     // Parent case
112             case 2:

114     // Global variables are set from the array.
115             $ParentLogin = "$UserLogin";
116             $ParentFirstName = "$logsqlarray[0]";
117             $ParentSurname = "$logsqlarray[1]";
118             $ParentID = "$logsqlarray[2]";
119             $ParentEmail = "$logsqlarray[3]";
120             $ParentPhoneNumber = "$logsqlarray[4]";

122     // User type labelled for the user.
123             $UserTypeName = "parent";

125     // Session variables set so that current information may be retrieved in other pages
        in the same session.
126             $_SESSION['ParentLogin'] = $ParentLogin;
127             $_SESSION['ParentFirstName'] = $ParentFirstName;
128             $_SESSION['ParentSurname'] = $ParentSurname;
129             $_SESSION['ParentID'] = $ParentID;
130             $_SESSION['ParentEmail'] = $ParentPhoneNumber;
131             $_SESSION['ParentPhoneNumber'] = $ParentPhoneNumber;
132             $_SESSION['UserID'] = $ParentID;

134             $_SESSION['UserLogin'] = $_SESSION['ParentLogin'];
135             $_SESSION['UserFirstName'] = $_SESSION['ParentFirstName'];
136             $_SESSION['UserSurname'] = $_SESSION['ParentSurname'];
137             $_SESSION['UserEmail'] = $_SESSION['ParentEmail'];
138             $_SESSION['UserPhoneNumber'] = $_SESSION['ParentPhoneNumber'];

140             break;

142     // Mentor case
143             case 3:

145     // Global variables are set from the array.
146             $MentorLogin = "$UserLogin";
147             $MentorFirstName = "$logsqlarray[0]";
148             $MentorSurname = "$logsqlarray[1]";
149             $MentorID = "$logsqlarray[2]";
150             $MentorEmail = "$logsqlarray[3]";
151             $MentorPhoneNumber = "$logsqlarray[4]";

153     // User type labelled for the user.
154             $UserTypeName = "mentor";

156     // Session variables set so that current information may be retrieved in other pages
        in the same session.
157             $_SESSION['MentorLogin'] = $MentorLogin;
158             $_SESSION['MentorFirstName'] = $MentorFirstName;
```

```php
159            $_SESSION['MentorSurname'] = $MentorSurname;
160            $_SESSION['MentorID'] = $MentorID;
161            $_SESSION['MentorEmail'] = $MentorEmail;
162            $_SESSION['MentorPhoneNumber'] = $MentorPhoneNumber;
163            $_SESSION['UserID'] = $MentorID;

165            $_SESSION['UserLogin'] = $_SESSION['MentorLogin'];
166            $_SESSION['UserFirstName'] = $_SESSION['MentorFirstName'];
167            $_SESSION['UserSurname'] = $_SESSION['MentorSurname'];
168            $_SESSION['UserEmail'] = $_SESSION['MentorEmail'];
169            $_SESSION['UserPhoneNumber'] = $_SESSION['MentorPhoneNumber'];

171            break;

173        }

175    // Sets variables to identify that session is expected on further pages. The user
       type, used in decision rules in most of the pages, is most used throughout the
       project, along with the user ID.
176        $_SESSION['LoggedIn'] = true;
177        $_SESSION['UserTypeName'] = $UserTypeName;
178        $_SESSION['UserType'] = $UserType;

180    // Go to LoggedInPage
181        header("location:LoggedInPage.php");

183    // If no match is found with the database, the session is not logged in and user is
       redirected back to the login page.

185    } else {
186        $_SESSION['LoggedIn'] = false;
187        if (isset($_GET['UserLogin'])) {
188            header("location:LoginPage.php?UserLogin=$UserLogin");
189        } else {
190            header("location:LoginPage.php");
191        }
192    }
193    ?>

195    </body>
196    </html>
197
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Mentoring Home</title>
6   <link rel = "stylesheet" type = "text/css" href = "stylesheet.css">
7
8   <?php
9
10  require_once("DatabaseConnectPage.php");
11  session_start();
12
13  ?>
14
15  </head>
16
17  <body>
18
19  <?php
20
21  // Initial variables for loading correct entities for page.
22  $UserType = $_SESSION['UserType'];
23  $LoggedIn = $_SESSION['LoggedIn'];
24
25  // This code retrieves the user's details for presenting them before displaying them.
26  $UserLogin = $_SESSION['UserLogin'];
27  $UserFirstName = $_SESSION['UserFirstName'];
28  $UserSurname = $_SESSION['UserSurname'];
29  $UserEmail = $_SESSION['UserEmail'];
30  $UserPhoneNumber = $_SESSION['UserPhoneNumber'];
31  $UserID = $_SESSION['UserID'];
32  $UserTypeName = $_SESSION['UserTypeName'];
33
34  // Students also have a form group.
35  if ($UserType == 1) {
36      $StudentForm = $_SESSION['StudentForm'];
37  }
38
39  // Displays the current user's details.
40  echo "<p>Logged in as " . "$UserLogin" . ".</p>";
41  echo "<p>Your name is " . "$UserFirstName " . "$UserSurname" . ".</p>";
42  echo "<p>You are a " . "$UserTypeName" . ".</p>";
43  echo "<p>Your " . "$UserTypeName" . " user ID is " . "$UserID" . ".</p>";
44
45  // If user has an email address and/or a telephone number, they are also displayed
    to the user.
46  if ((isset($UserEmail)) && ($UserEmail != '')) {
47      echo "<p>Your email address is " . "$UserEmail" . "</p>";
48  }
49
50  if ((isset($UserPhoneNumber)) && ($UserPhoneNumber != '')) {
51      echo "<p>Your phone number is " . "$UserPhoneNumber" .  "</p>";
52  }
53
54  if ($UserType == 1) {
55      echo "<p>Your form group is " . "$StudentForm." . "</p>";
```

```php
56    }
57
58    // In the case the user is not logged in they can be notified about this. The
      session may end without logging the user off.
59    switch ($LoggedIn) {
60        case true: echo "<p>Session logged in </p>"; break;
61        case false: echo "<p>Not logged in </p>"; break;
62    }
63
64    echo "<br />";
65
66    // Display hyperlinks to other pages.
67    echo "<p><a href = 'ViewMeetingPage.php'>View meetings</a></p>";
68    echo "<p><a href = 'ViewContactPage.php'>View contacts</a></p>";
69    echo "<p><a href = 'LogoutPage.php'>Log out</a></p>";
70
71    ?>
72
73    </body>
74    </html>
75
```

```php
1
2
3   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
4   <html>
5   <head>
6   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
7   <title>View meetings</title>
8   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
9
10  <?php
11
12  require_once('DatabaseConnectPage.php');
13  session_start();
14
15  ?>
16
17  </head>
18
19  <body>
20
21  <?php
22
23  // For the current user browsing page:
24  // $UserName = username
25  // $UserID = user ID within user type
26  // $UserTypeName = user type (as a name)
27  // $UserType = user type (as a number)
28  // $UserFirstName = first name
29  // $UserSurname = surname
30  // $LoggedIn = Whether session is set
31
32  $LoggedIn = false;
33  $UserID = $_SESSION['UserID'];
34  $UserTypeName = $_SESSION['UserTypeName'];
35  $UserType = $_SESSION['UserType'];
36  $UserFirstName = $_SESSION['UserFirstName'];
37  $UserSurname = $_SESSION['UserSurname'];
38  $LoggedIn = $_SESSION['LoggedIn'];
39
40  // The meetings have not been successfully found yet because the necessary details
    have not been searched.
41  $meetcheck = 0;
42
43  echo "<h1>View meetings</h1><hr />";
44
45  switch ($UserType) {
46
47  // Student case
48
49      case 1:
50
51  // Current student is the only student to find meetings for.
52      $studentno = 1;
53      $totalstudentno = 1;
54      $StudentFirstName[$studentno] = $UserFirstName;
55      $StudentID[$studentno] = $UserID;
```

```php
56
57  // Query student table entry for parent ID using student ID and execute.
58      $ParentIDsql = "SELECT StudentTable.ParentID FROM StudentTable WHERE
    StudentTable.StudentID = $UserID AND ParentID IS NOT NULL";
59      $ParentIDquery = mysql_query($ParentIDsql);
60      if ($ParentIDquery) {
61          if ($ParentIDarray = mysql_fetch_array($ParentIDquery)) {
62              $ParentID = $ParentIDarray[0];
63
64      // Query parent table entry for parent first name and surname using parent ID.
65              if ($ParentIDarray) {
66                  $Parentsql = "SELECT ParentTable.ParentFirstName,
    ParentTable.ParentSurname FROM ParentTable WHERE ParentTable.ParentID =
    $ParentIDarray[0]";
67                  $Parentquery = mysql_query($Parentsql);
68
69      // If the ID query was successful, fetch the name and ID of the parent.
70                  if ($Parentquery) {
71                      if ($Parentarray = mysql_fetch_array($Parentquery)) {
72                          echo "<p>Your parent's name is $Parentarray[0] $Parentarray
    [1]" . ". " . "Parent ID is " . "$ParentIDarray[0]" . "." . "</p>";
73                      } else {
74                          echo "<p>Error displaying parent's details. Please consult
    the system administrator.</p>";
75                      }
76                  }
77              }
78          } else {
79              echo "<p>No parent found. Please search for one and make a request.</p>";
80          }
81      }
82
83  // Query student table entry for mentor's ID using student id and execute.
84      $MentorIDsql = "SELECT StudentTable.MentorID FROM StudentTable WHERE
    StudentTable.StudentID = $UserID AND MentorID IS NOT NULL";
85      $MentorIDquery = mysql_query($MentorIDsql);
86
87  // Query mentor table entry for mentor first name and surname using mentor's ID.
88      if ($MentorIDquery) {
89          if ($MentorIDarray = mysql_fetch_array($MentorIDquery)) {
90              $MentorID = $MentorIDarray[0];
91              $meetcheck = 1;
92              if ($MentorIDarray) {
93                  $Mentorsql = "SELECT MentorTable.MentorFirstName,
    MentorTable.MentorSurname FROM MentorTable WHERE MentorTable.MentorID =
    $MentorIDarray[0]";
94                  $Mentorquery = mysql_query($Mentorsql);
95      // If the ID query was successful, fetch the name and ID of the mentor.
96                  if ($Mentorquery) {
97                      if ($Mentorarray = mysql_fetch_array($Mentorquery)) {
98                          echo "<p>Your mentor's name is $Mentorarray[0] $Mentorarray
    [1]" . ". " . "Mentor ID is " . "$MentorIDarray[0]" . "." . "</p>";
99                      } else {
100                         echo "<p>Error displaying mentor's details. Please consult
    the system administrator.</p>";
101                     }
102                 }
```

```php
103                }
104            } else {
105                echo "<p>No mentor found. Please search for one and make a request.</p>";
106            }
107        }
108        echo "<hr />";
109
110        break;
111
112 // Parent case
113
114        case 2:
115        $ParentID = $UserID;
116
117        // Query student table entry for student first name, surname and ID using parent
        ID.
118        $studentsql = "SELECT StudentTable.StudentFirstName,
        StudentTable.StudentSurname, StudentTable.StudentID FROM StudentTable WHERE
        StudentTable.ParentID = $UserID";
119        $studentvalidationquery = mysql_query($studentsql);
120        if ($studentarray = mysql_fetch_array($studentvalidationquery)) {
121            $studentquery = mysql_query($studentsql);
122            $meetcheck = 1;
123            for ($studentno = 1; $studentno <= ($studentarray = mysql_fetch_array(
        $studentquery)); $studentno++) {
124                $StudentFirstName[$studentno] = $studentarray[0];
125                $StudentSurname[$studentno] = $studentarray[1];
126                $StudentID[$studentno] = $studentarray[2];
127                echo "<p>Student: $studentarray[0] $studentarray[1]" . ". " . "Student
        ID is " . "$studentarray[2]" . "." . "</p>";
128
129 // Query student table entry for mentor ID using student ID
130                $MentorIDsql = "SELECT StudentTable.ParentID FROM StudentTable WHERE
        StudentTable.StudentID = $studentarray[2]";
131                $MentorIDquery = mysql_query($MentorIDsql);
132 // Query mentor table entry for mentor's first name and surname using mentor ID
133                if ($MentorIDquery) {
134                    if ($MentorIDarray = mysql_fetch_array($MentorIDquery)) {
135                        $MentorID = $MentorIDarray[0];
136                        $Mentorsql = "SELECT MentorTable.MentorFirstName,
        MentorTable.MentorSurname FROM MentorTable WHERE MentorTable.MentorID =
        $MentorIDarray[0]";
137                        $Mentorquery = mysql_query($Mentorsql);
138                        if ($Mentorquery) {
139                            if ($Mentorarray = mysql_fetch_array($Mentorquery)) {
140                                echo "<p>Their mentor's name is $Mentorarray[0] " . "
        $Mentorarray[1]" . ". " . "Mentor ID is " . "$MentorIDarray[0]" . "." . "</p>";
141                            } else {
142                                echo "<p>There is an error in displaying the mentor's
        details. Please notify the system administrator.</p>";
143                            }
144                        }
145                    } else {
146                        echo "<p>Error retrieving mentor's ID. Please consult the system
        administrator.</p>";
147                    }
148                } else {
```

3

```php
149                 echo "<p>No mentor found for this student. Please notify the student
       about this.</p>";
150             }
151             echo "<br />";
152         }
153
154 // The loop for displaying meetings executes once more than necessary. This code
    eliminates the additional error which may appear.
155         $totalstudentno = $studentno-1;
156     } else {
157         echo "<p>No student was found. Please search contact for a student.</p>";
158     }
159     echo "<hr />";
160     break;
161
162     case 3:
163     $MentorID = $UserID;
164 // Query student table entry for student's first name, surname and ID using mentor ID
165
166     $studentsql = "SELECT StudentTable.StudentFirstName,
    StudentTable.StudentSurname, StudentTable.StudentID FROM StudentTable WHERE
    StudentTable.MentorID = $UserID";
167     $studentvalidationquery = mysql_query($studentsql);
168     if ($studentarray = mysql_fetch_array($studentvalidationquery)) {
169         $studentquery = mysql_query($studentsql);
170         $meetcheck = 1;
171         $studentno = 1;
172         for ($studentno = 1; $studentno < ($studentarray = mysql_fetch_array(
    $studentquery)); $studentno++) {
173
174             $StudentFirstName[$studentno] = $studentarray[0];
175             $StudentSurname[$studentno] = $studentarray[1];
176             $StudentID[$studentno] = $studentarray[2];
177             echo "<p>Student: $studentarray[0] $studentarray[1]" . ". " . "Student
    ID is " . "$studentarray[2]" . "." . "</p>";
178 // Query student table entry for mentor ID using student's ID.
179             $ParentIDsql = "SELECT StudentTable.ParentID FROM StudentTable WHERE
    StudentTable.StudentID = $studentarray[2]";
180             $ParentIDquery = mysql_query($ParentIDsql);
181 // Query parent table entry for parent's first name and surname using parent's ID.
182             if ($ParentIDquery) {
183                 if ($ParentIDarray = mysql_fetch_array($ParentIDquery)) {
184                     $ParentID = $ParentIDarray[0];
185                     $Parentsql = "SELECT ParentTable.ParentFirstName,
    ParentTable.ParentSurname FROM ParentTable WHERE ParentTable.ParentID =
    $ParentIDarray[0]";
186                     $Parentquery = mysql_query($Parentsql);
187                     if ($Parentquery) {
188
189 // If a parent is found, display their details.
190                         if ($Parentarray = mysql_fetch_array($Parentquery)) {
191                             echo "<p>Their parent's name is $Parentarray[0] " . "
    $Parentarray[1]" . ". " . "Parent ID is " . "$ParentIDarray[0]" . "." . "</p>";
192                         } else {
193                             echo "<p>There is an error in displaying the parent's
    details. Please notify the system administrator.</p>";
194                         }
```

```php
195                    }
196                } else {
197                    echo "<p>No parent found for this student. Please notify your
     student about this.</p>";
198                }
199            }
200        echo "<br />";
201        }
202        $totalstudentno = $studentno-1;
203    } else {
204        echo "<p>No student was found. Please search contact for a student.</p>";
205    }
206    echo "<hr />";
207    break;
208
209 }
210
211 // Checks for meetings if there is a student-mentor connection.
212 if ($meetcheck == 1) {
213
214 // Loops for each user, but designed for parents and mentors in the case several
     students have been found.
215    for ($studentno = 1; $studentno <= $totalstudentno; $studentno++) {
216        echo "<p>$StudentFirstName[$studentno]" . "'s meetings:<br />";
217        $meetsql = "SELECT MeetingTable.MeetingDate, MeetingTable.StudentID,
     MeetingTable.MentorID, MeetingTable.MeetingID FROM MeetingTable WHERE
     MeetingTable.StudentID = $StudentID[$studentno] ORDER BY MeetingDate";
218        $meetqueryvalidate = mysql_query($meetsql);
219        if ($meetqueryvalidate) {
220
221            if ($meetarray = mysql_fetch_array($meetqueryvalidate)) {
222                $meetquery = mysql_query($meetsql);
223
224 // Meetings displayed if any results returned.
225                echo "<table border = '1'>";
226                echo "<tr><td><p>Date</p></td> <td><p>Student ID</p></td>
     <td><p>Mentor ID</p></td> <td><p>Meeting ID</p></td> </tr>";
227                for ($meetno = 1; $meetno <= ($meetarray = mysql_fetch_array(
     $meetquery)); $meetno++) {
228
229 // Assigns each individual meeting property
230                    $MeetingID = $meetarray[3];
231                    $MeetingDate = $meetarray[0];
232                    $yyyy = "$MeetingDate[0]" . "$MeetingDate[1]" . "$MeetingDate[2]"
     . "$MeetingDate[3]";
233                    $mm = "$MeetingDate[5]" . "$MeetingDate[6]";
234                    $dd = "$MeetingDate[8]" . "$MeetingDate[9]";
235                    $datetime = date('l j F', mktime(0,0,0, $mm, $dd, $yyyy, 0));
236                    echo "<tr><td><p>$datetime</p></td> <td><p>$meetarray
     [1]</p></td> <td><p>$meetarray[2]</p></td> <td><p>$meetarray[3]</p></td>";
237                    echo "<td><p><a href = 'ViewTargetPage.php?MeetingID=$meetarray
     [3]'>View</a></p></td>";
238                    if ($UserType == 3) {
239                        echo "<td><p><a href = 'EditMeetingPage.php?MeetingID=
     $meetarray[3]&action=0'>Edit</a></p></td>";
240                        echo "<td><p><a href = 'DeleteMeetingPage.php?MeetingID=
     $meetarray[3]&action=0'>Delete</a></p></td>";
```

5

```php
241                    }
242                        echo "</tr>";
243                }
244                    echo "</table>";
245            } else {
246
247 // In the case no meetings are found which are relevant to user.
248                    echo "<p>There are currently no meetings.</p>";
249                    if ($UserType == 3) {
250                        echo "<p>You can add a meeting for this student by clicking the
     'Add meeting' link.</p>";
251                    }
252
253                }
254        } else {
255            echo "<p>There is an error in retrieving table information.<br /></p>";
256        }
257    echo "<hr />";
258    }
259
260 // Mentors may add a meeting at any time.
261    if ($UserType == 3) {
262        echo "<p><a href = 'AddMeetingPage.php?action=0'>Add meeting</a> </stfont>
     </p>";
263    }
264 }
265
266 // Hyperlink back to LoggedInPage.
267 echo "<p><a href = 'LoggedInPage.php'>Homepage</a> </stfont> </p>";
268
269 mysql_close($ConnectServer);
270
271 ?>
272
273 </body>
274 </html>
275
```

```
1
2
3    <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
     http://www.w3.org/TR/html4/loose.dtd">
4    <html>
5    <head>
6    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
7    <title>Add meeting</title>
8    <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
9
10   <?php
11
12   require_once('DatabaseConnectPage.php');
13   session_start();
14
15   ?>
16
17   </head>
18
19   <body>
20
21   <?php
22
23   // This page is only for mentor access.
24   $UserType = $_SESSION['UserType'];
25
26   // If user is a mentor.
27   if ($UserType == 3) {
28
29   // $action can be 0 or 1, otherwise it is set to 0;
30       if (isset($_GET['action'])) {
31           $action = $_GET['action'];
32       } else {
33           $action = 0;
34       }
35       echo "<h1>Add meeting</h1>";
36
37   // Checks to see if the date has been set and if the student has been set.
38       if ((isset($_GET['day']) && $_GET['day'] != '') && (isset($_GET['month']) &&
     $_GET['month'] != '') && (isset($_GET['StudentID']) && $_GET['StudentID'] != '')) {
39
40   // Gets the set meeting day and month, retrieves the current year and checks the
     input day against the actual days in a given month.
41           $day = $_GET['day'];
42           $month = $_GET['month'];
43           $yy = date('Y');
44           $maxday = date('t', mktime(0,0,0,$month,1,$yy,0));
45           if ($day >= 1 && $day <= $maxday && $day == floor($day)) {
46
47   // date parameters for meeting date are set.
48               $dd = date('d', mktime(0,0,0,$month, $day, $yy, 0));
49               $mm = date('m', mktime(0,0,0,$month, $day, $yy, 0));
50               $action = 1;
51           } else {
52               $action = 0;
53               echo "<p>Error with date input information. Please enter an appropriate
     date.</p>";
```

```php
54                }
55            if ($action == 1) {
56                $currentmonth = date('n');

// Checks if academic years match. If not, the year is set accordingly.
59                if (($mm >= 1 && $mm <= 6) && ($currentmonth >= 9 && $currentmonth <= 12
   )) {

// When current month is in the range of September to December.
62                    $yy++;
63                } else if (($mm >= 9 && $mm <= 12) && ($currentmonth >= 1 &&
   $currentmonth <= 6)) {

// When current month is in the range of January to June.
66                    $yy--;
67                }

// Meeting date parameters are concatenated to form the meeting date.
70            $MeetingDate = $yy . $mm . $dd;

// StudentID is retrieved.
73            $StudentID = $_GET['StudentID'];

// MentorID is retrieved.
76            $UserID = $_SESSION['UserID'];

// Checks to see if student is connected with current mentor.
79            $confirmsql = "SELECT * FROM StudentTable WHERE MentorID = $UserID AND
   StudentID = $StudentID";
80            $confirmquery = mysql_query($confirmsql);
81            if ($confirmquery) {
82                if ($confirmarray = mysql_fetch_array($confirmquery)) {

// Adds meeting; additionally a MeetingID is automatically set.
85                    $addsql = "INSERT INTO MeetingTable (MeetingDate, StudentID,
   MentorID) VALUES ($MeetingDate, $StudentID, $UserID)";
86                    $addquery = mysql_query($addsql);

// To reduce user effort, the user is redirected to ViewMeetingPage immediately.
89                    header('location:ViewMeetingPage.php');

// Errors based on the mismatch of the student, sql query error and any blank
   information not set in advance.
92                } else {
93                    echo "<p>Error - could not find matching student. </p>";
94                    $action = 0;
95                }
96            } else {
97                echo "<p>Error executing sql query.</p>";
98                $action = 0;
99            }
100            }
101        } else {
102            $action = 0;
103            echo "<p>Please enter information in each field and then submit.</p>";
104        }
105
```

```php
106   // This is set as a separate if statement because $action could be set to 0 in the
      above code in case of an error.
107       if ($action == 0) {
108
109   // Reset the following fields.
110           $StudentID = '';
111           $day = '';
112           $month = '';
113           $maxday = '';
114           $dd = '';
115           $mm = '';
116           $yy = '';
117
118   // Information is then input into the form.
119           $UserID = $_SESSION['UserID'];
120           echo "<form action = 'AddMeetingPage.php?day=$day&month=$month&StudentID=
      $StudentID&action=1' method = 'get'>";
121           echo "<p>Meeting date: ";
122           echo "day ";
123           echo "<input name = 'day' type = 'text' size = '2'  maxlength = '2'>";
124           echo "</input>";
125
126   // In an academic year, students are in their school year from September until the
      end of May. They do not finish their courses until some weeks later. Meetings could
      still take place in June, which is why I have included this month.
127           echo "month ";
128           echo "<select name = 'month'>";
129           echo "<option></option>";
130           echo "<option value = '9'>September</option>";
131           echo "<option value = '10'>October</option>";
132           echo "<option value = '11'>November</option>";
133           echo "<option value = '12'>December</option>";
134           echo "<option value = '1'>January</option>";
135           echo "<option value = '2'>February</option>";
136           echo "<option value = '3'>March</option>";
137           echo "<option value = '4'>April</option>";
138           echo "<option value = '5'>May</option>";
139           echo "<option value = '6'>June</option>";
140           echo "</select></p>";
141           $studentsql = "SELECT StudentFirstName, StudentSurname, StudentID,
      StudentForm FROM StudentTable WHERE MentorID = $UserID";
142           $studentquery = mysql_query($studentsql);
143           echo "<p>Select your student</p>";
144           echo "<select name = 'StudentID'>";
145           echo "<option></option>";
146           for ($formno = 1; $formno <= ($studentarray = mysql_fetch_array($studentquery
      )); $formno++) {
147               echo "<option value = '$studentarray[2]'>$studentarray[0] $studentarray
      [1], form $studentarray[3]</option>";
148           }
149           echo "</select>";
150           echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
151           echo "</form>";
152           echo "<p><a href = 'ViewMeetingPage.php'>Cancel and view meetings</a></p>";
153       }
154   } else {
155
```

3

```php
156    // If user is not a mentor, they are redirected to ViewMeetingPage.
157        header('location:ViewMeetingPage.php');
158    }
159    mysql_close($ConnectServer);
160    ?>
161
162    </body>
163    </html>
164
```

```php
1
2
3    <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
     http://www.w3.org/TR/html4/loose.dtd">
4    <html>
5    <head>
6    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
7    <title>Edit meeting</title>
8    <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
9
10   <?php
11
12   require_once('DatabaseConnectPage.php');
13   session_start();
14
15   ?>
16
17   </head>
18
19   <body>
20
21   <?php
22
23   // This page is only for mentor access.
24   $UserType = $_SESSION['UserType'];
25
26   // If user is a mentor and a value for $MeetingID is specified.
27   if ($UserType == 3 && (isset($_GET['MeetingID']) && $_GET['MeetingID'] != '') ) {
28       if (isset($_GET['action']) ) {
29           $action = $_GET['action'];
30       }
31       echo "<h1>Edit meeting</h1>";
32
33   // Checks to see if the date has been set and if the student has been set.
34       if ($action == 1) {
35           if ((isset($_GET['day']) && $_GET['day'] != '') && (isset($_GET['month']) &&
     $_GET['month'] != '') && (isset($_GET['StudentID']) && $_GET['StudentID'] != '')) {
36
37   // Gets the set meeting day and month, retrieves the current year and checks the
     input day against the actual days in a given month.
38               $day = $_GET['day'];
39               $month = $_GET['month'];
40               $yy = date('Y');
41               $maxday = date('t', mktime(0,0,0,$month,1,$yy,0));
42               if ($day >= 1 && $day <= $maxday && $day == floor($day)) {
43
44   // date parameters for meeting date are set.
45                   $dd = date('d', mktime(0,0,0,$month, $day, $yy, 0));
46                   $mm = date('m', mktime(0,0,0,$month, $day, $yy, 0));
47                   $action = 1;
48               } else {
49                   $action = 0;
50                   echo "<p>Error with date input information. Please enter an
     appropriate date.</p>";
51               }
52               if ($action == 1) {
53                   $currentmonth = date('n');
```

1

```php
54
55  // Checks if academic years match. If not, the year is set accordingly.
56              if (($mm >= 1 && $mm <= 6) && ($currentmonth >= 9 && $currentmonth <=
     12)) {
57
58  // When current month is in the range of September to December.
59                  $yy++;
60              } else if (($mm >= 9 && $mm <= 12) && ($currentmonth >= 1 &&
    $currentmonth <= 6)) {
61
62  // When current month is in the range of January to June.
63                  $yy--;
64              }
65
66  // Meeting date parameters are concatenated to form the meeting date.
67              $MeetingDate = $yy . $mm . $dd;
68
69  // StudentID is retrieved.
70              $StudentID = $_GET['StudentID'];
71
72  // MentorID is retrieved.
73              $UserID = $_SESSION['UserID'];
74
75  // MeetingID is retrieved.
76              $MeetingID = $_GET['MeetingID'];
77
78  // Checks to see if student is connected with current mentor.
79              $confirmsql = "SELECT * FROM StudentTable WHERE MentorID = $UserID
    AND StudentID = $StudentID";
80              $confirmquery = mysql_query($confirmsql);
81              if ($confirmquery) {
82                  if ($confirmarray = mysql_fetch_array($confirmquery)) {
83                      $editsql = "UPDATE MeetingTable SET MeetingDate =
    $MeetingDate, StudentID = $StudentID, MentorID = $UserID WHERE MeetingID = $MeetingID
    ";
84                      $editquery = mysql_query($editsql);
85
86  // To reduce user effort, the user is redirected to ViewMeetingPage immediately.
87                      header('location:ViewMeetingPage.php');
88                  } else {
89                      echo "<p>Error - could not find matching student.</p>";
90                      $action = 0;
91                  }
92
93  // Errors based on the mismatch of the student, sql query error and any blank
    information not set in advance.
94              } else {
95                  echo "<p>Error executing sql query - please check you have input
    details correctly.</p>";
96                  $action = 0;
97              }
98          }
99      } else {
100         $action = 0;
101         echo "<p>Please enter information in each field and then submit.</p>";
102     }
103  }
```

2

```php
104
105    // This is set as a separate if statement because $action could be set to 0 in the
       above code in case of an error.
106        if ($action == 0) {
107
108    // Reset the following fields.
109            $day = '';
110            $month = '';
111            $action = '';
112            $StudentID = '';
113            $MeetingID = '';
114            $maxday = '';
115            $dd = '';
116            $mm = '';
117            $yy = '';
118
119    // Information is then input into the form.
120            $UserID = $_SESSION['UserID'];
121            $MeetingID = $_GET['MeetingID'];
122            $fetchsql = "SELECT StudentID, MeetingDate FROM MeetingTable WHERE MentorID
       = $UserID AND MeetingID = $MeetingID";
123            $fetchquery = mysql_query($fetchsql);
124            if ($fetcharray = mysql_fetch_array($fetchquery)) {
125                $MeetingDate = $fetcharray[1];
126                $StudentID = $fetcharray[0];
127                $yyyy = "$MeetingDate[0]" . "$MeetingDate[1]" . "$MeetingDate[2]" . "
       $MeetingDate[3]";
128                $mm = "$MeetingDate[5]" . "$MeetingDate[6]";
129                $dd = "$MeetingDate[8]" . "$MeetingDate[9]";
130                $datetime = date('l d F Y', mktime(0,0,0, $mm, $dd, $yyyy, 0));
131                echo "<p>Current meeting date is " . $datetime . "</p>";
132                echo "<form action = 'EditMeetingPage.php?day=$day&month=$month
       &studentid=$StudentID&MeetingID=$MeetingID&action=1' method = 'get'>";
133                echo "<p>Meeting date: ";
134                echo "day ";
135                echo "<input name = 'day' type = 'text' size = '2'  maxlength = '2'
       value = '$dd'>";
136
137                echo "</input>";
138
139    // In an academic year, students are in their school year from September until the
       end of May. They do not finish their courses until some weeks later. Meetings could
       still take place in June, which is why I have included this month.
140                echo "month ";
141                echo "<select name = 'month'>";
142                echo "<option></option>";
143                echo "<option value = '9'";
144                if ($mm == 9) {
145                    echo " SELECTED";
146                }
147                echo ">September</option>";
148                echo "<option value = '10'";
149                if ($mm == 10) {
150                    echo " SELECTED";
151                }
152                echo ">October</option>";
153                echo "<option value = '11'";
```

3

```php
154              if ($mm == 11) {
155                  echo " SELECTED";
156              }
157              echo ">November</option>";
158              echo "<option value = '12'";
159              if ($mm == 12) {
160                  echo " SELECTED";
161              }
162              echo ">December</option>";
163              echo "<option value = '1'";
164              if ($mm == 1) {
165                  echo " SELECTED";
166              }
167              echo ">January</option>";
168              echo "<option value = '2'";
169              if ($mm == 2) {
170                  echo " SELECTED";
171              }
172              echo ">February</option>";
173              echo "<option value = '3'";
174              if ($mm == 3) {
175                  echo " SELECTED";
176              }
177              echo ">March</option>";
178              echo "<option value = '4'";
179              if ($mm == 4) {
180                  echo " SELECTED";
181              }
182              echo ">April</option>";
183              echo "<option value = '5'";
184              if ($mm == 5) {
185                  echo " SELECTED";
186              }
187              echo ">May</option>";
188              echo "<option value = '6'";
189              if ($mm == 6) {
190                  echo " SELECTED";
191              }
192              echo ">June</option>";
193              echo "</p></select>";
194              $studentsql1 = "SELECT StudentID FROM MeetingTable WHERE MentorID =
     $UserID AND MeetingID = $MeetingID";
195              $studentquery1 = mysql_query($studentsql1);
196              $studentarray = mysql_fetch_array($studentquery1);
197              $StudentID = $studentarray[0];
198              $studentsql2 = "SELECT StudentTable.StudentFirstName,
     StudentTable.StudentSurname, StudentTable.StudentID, StudentTable.StudentForm FROM
     StudentTable WHERE StudentID = $StudentID";
199              $studentquery2 = mysql_query($studentsql2);
200              if ($studentarray = mysql_fetch_array($studentquery2)) {
201                  echo "<p>Current student is " . "$studentarray[0] $studentarray[1],
     form $studentarray[3], ID $studentarray[2].</p>";
202                  $StudentID = $studentarray[2];
203              }
204              echo "<p>Select your student</p>";
205              $studentsql = "SELECT StudentFirstName, StudentSurname, StudentID,
     StudentForm FROM StudentTable WHERE MentorID = $UserID";
```

```php
206                $studentquery = mysql_query($studentsql);
207            echo "<select name = 'StudentID'>";
208            echo "<option></option>";
209            for ($formno = 1; $formno <= ($studentarray = mysql_fetch_array(
       $studentquery)); $formno++) {
210                echo "<option value = '$studentarray[2]'";
211                if ($studentarray[2] == $StudentID) {
212                    echo " SELECTED";
213                }
214            echo ">$studentarray[0] $studentarray[1], form $studentarray[3]</option>";
215            }
216            echo "</select>";
217            echo "<p>Current meeting ID: $MeetingID</p>";
218            echo "<p><input name = 'MeetingID' type = 'hidden' value='$MeetingID
       '></p>";
219            echo "<p><input name = 'action' type = 'hidden' value='1'></p>";
220            echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
221            echo "</form>";
222        } else {
223            echo "<p>The meeting ID and your ID do not match. Please use the user
       interface to perform tasks.</p>";
224        }
225        echo "<p><a href = 'ViewMeetingPage.php'>Cancel and view meetings</a>";
226    }
227 } else {
228
229 // If user is not a mentor, they are redirected to ViewMeetingPage.
230    header('location:ViewMeetingPage.php');
231 }
232 mysql_close($ConnectServer);
233 ?>
234
235 </body>
236
237 </html>
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Delete meeting</title>
6   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8   <?php
9
10  require_once('DatabaseConnectPage.php');
11  session_start();
12
13  ?>
14
15  </head>
16
17  <body>
18
19  <?php
20
21  // Retrieve type of user - only mentors are permitted.
22  $UserType = $_SESSION['UserType'];
23
24  // A meeting ID is also required in order to delete a meeting.
25  if ($UserType == 3 && (isset($_GET['MeetingID']) && $_GET['MeetingID'] != '') ) {
26      if (isset($_GET['action']) ) {
27          $action = $_GET['action'];
28      }
29      echo "<h1>Delete meeting</h1>";
30
31  // If meeting requested to be deleted.
32      if ($action == 1) {
33
34  // Assign mentor's ID and meeting ID to variables within the page.
35          $UserID = $_SESSION['UserID'];
36          $MeetingID = $_GET['MeetingID'];
37          $confirmsql = "SELECT * FROM MeetingTable WHERE MentorID = $UserID AND
    MeetingID = $MeetingID";
38          $confirmquery = mysql_query($confirmsql);
39          if ($confirmquery) {
40              if ($confirmarray = mysql_fetch_array($confirmquery)) {
41
42  // Deletes current meeting.
43                  $deletesql = "DELETE FROM MeetingTable WHERE MeetingID = $MeetingID";
44                  $deletequery = mysql_query($deletesql);
45                  echo "<p>Meeting successfully deleted.</p>";
46
47  // Redirect user to ViewMeetingPage.
48                  header('location:ViewMeetingPage.php');
49              } else {
50
51  // Any errors which occur are listed here, including when a student has been
    mismatched and if the sql query cannot be executed because of incorrect/missing
    information.
52                  echo "<p>Error - could not find matching student. </p>";
53                  $action = 0;
```

1

```php
54                    }
55            } else {
56                    echo "<p>Error executing sql query - please check you have input details
     correctly.</p>";
57                    $action = 0;
58            }
59            if ($action == 0) {
60                    $day = '';
61                    $month = '';
62                    $StudentID = '';
63                    $MeetingID = '';
64                    $UserID = '';
65            }
66        }
67
68    // By default, the user is prompted with the meeting details before it is deleted.
      This is to confirm that this meeting is what the mentor wishes to delete.
69        if ($action == 0) {
70
71    // Retrieve information about the meeting.
72            $UserID = $_SESSION['UserID'];
73            $MeetingID = $_GET['MeetingID'];
74            $fetchsql = "SELECT StudentID, MeetingDate FROM MeetingTable WHERE MentorID
     = $UserID AND MeetingID = $MeetingID";
75            $fetchquery = mysql_query($fetchsql);
76            if ($fetcharray = mysql_fetch_array($fetchquery)) {
77                    $MeetingDate = $fetcharray[1];
78                    $StudentID = $fetcharray[0];
79                    $yyyy = "$MeetingDate[0]" . "$MeetingDate[1]" . "$MeetingDate[2]" . "
     $MeetingDate[3]";
80                    $mm = "$MeetingDate[5]" . "$MeetingDate[6]";
81                    $dd = "$MeetingDate[8]" . "$MeetingDate[9]";
82                    $datetime = date('l d F Y', mktime(0,0,0, $mm, $dd, $yyyy, 0));
83                    echo "<p>Current meeting date is " . $datetime . "</p>";
84                    echo "<form action = 'DeleteMeetingPage.php?MeetingID=$MeetingID
     &action=1' method = 'get'>";
85                    $studentsql1 = "SELECT StudentID FROM MeetingTable WHERE MentorID =
     $UserID AND MeetingID = $MeetingID";
86                    $studentquery1 = mysql_query($studentsql1);
87                    $studentarray = mysql_fetch_array($studentquery1);
88                    $StudentID = $studentarray[0];
89                    $studentsql2 = "SELECT StudentTable.StudentFirstName,
     StudentTable.StudentSurname, StudentTable.StudentID, StudentTable.StudentForm FROM
     StudentTable WHERE StudentID = $StudentID";
90                    $studentquery2 = mysql_query($studentsql2);
91                    if ($studentarray = mysql_fetch_array($studentquery2)) {
92                        echo "<p>Current student is " . "$studentarray[0] $studentarray[1],
     form $studentarray[3], ID $studentarray[2].</p>";
93                        $StudentID = $studentarray[2];
94                    }
95                    echo "<p>Current meeting ID: $MeetingID</p>";
96                    echo "<p><input name = 'MeetingID' type = 'hidden' value='$MeetingID
     '></p>";
97                    echo "<p><input name = 'action' type = 'hidden' value='1'></p>";
98                    echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
99                    echo "</form>";
100           } else {
```

```php
101
102  // In the case of a meeting mismatch, the error message is reported to the user.
103          echo "<p>Your ID and the meeting ID do not match. Please use the user
     interface to perform tasks.</p>";
104      }
105      echo "<p><a href = 'ViewMeetingPage.php'>Cancel and view meetings</a></p>";
106    }
107  } else {
108
109  // If the user is not a mentor, redirect them back to ViewMeetingPage.
110    header('location:ViewMeetingPage.php');
111  }
112  mysql_close($ConnectServer);
113
114  ?>
115
116  </body>
117
118  </html>
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4
5   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
6   <title>View targets</title>
7   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
8
9   <?php
10
11  require_once ('DatabaseConnectPage.php');
12  session_start();
13
14  ?>
15
16  </head>
17
18  <body>
19
20  <?php
21
22  // $UserID is the ID of current user.
23  // $UserType is the type of user which the current user is.
24  $UserID = $_SESSION['UserID'];
25  $UserType = $_SESSION['UserType'];
26  $userlinked = 0;
27
28  // Looks to see if a meeting ID is set. If so, proceed to obtain it and retrieve
    stored variable from previous page.
29  if (isset($_GET['MeetingID']) && $_GET['MeetingID'] != '') {
30      $MeetingID = $_GET['MeetingID'];
31      echo "<h1>View targets</h1><hr />";
32      switch ($UserType) {
33
34          case 1:
35              $confirmsql = "SELECT * FROM MeetingTable WHERE StudentID = $UserID AND
    MeetingID = $MeetingID";
36              $confirmquery = mysql_query($confirmsql);
37              if ($confirmarray = mysql_fetch_array($confirmquery)) {
38                  $userlinked = 1;
39                  $StudentID = $UserID;
40              } else {
41                  $userlinked = 0;
42              }
43          break;
44
45          case 2:
46              $studentsql = "SELECT StudentID FROM StudentTable WHERE ParentID =
    $UserID";
47              $studentquery = mysql_query($studentsql);
48              for ($studentno = 1; $studentno <= ($studentarray = mysql_fetch_array(
    $studentquery)); $studentno++) {
49                  $StudentID = $studentarray[0];
50                  $confirmsql = "SELECT * FROM MeetingTable WHERE StudentID = '
    $StudentID' AND MeetingID = '$MeetingID'";
51                  $confirmquery = mysql_query($confirmsql);
```

```php
52              if ($confirmarray = mysql_fetch_array($confirmquery)) {
53                  $userlinked = 1;
54                  $StudentID = $studentarray[0];
55              }
56          }
57      break;
58
59      case 3:
60          $confirmsql = "SELECT * FROM MeetingTable WHERE MentorID = $UserID AND
    MeetingID = $MeetingID";
61          $confirmquery = mysql_query($confirmsql);
62          if ($confirmarray = mysql_fetch_array($confirmquery)) {
63              $userlinked = 1;
64              $MentorID = $UserID;
65          } else {
66              $userlinked = 0;
67          }
68      break;
69      }
70
71  // After the user has been recognised as valid to view this meeting, they are
    notified that they are valid and is shown the meeting ID.
72      if ($userlinked == 1) {
73          echo "<p>Meeting ID: $MeetingID </p>";
74          echo "<p>You are connected to this meeting.</p>";
75
76  // Begin target queries.
77          $targetsql = "SELECT TargetUserType, UserTarget, DateDue, StudentComment,
    ParentComment, MentorComment, TargetMetYet, TargetID FROM TargetTable WHERE
    MeetingID = $MeetingID ORDER BY DateDue";
78          $targetqueryvalidation = mysql_query($targetsql);
79          if ($targetarray = mysql_fetch_array($targetqueryvalidation)) {
80              $targetquery = mysql_query($targetsql);
81
82  // In the case targets are retrieved.
83              echo "<p>Targets for this meeting:</p>";
84              echo "<table border = 3px>";
85              echo "<tr> <td><p>User type</p></td> <td><p>User's target</p></td>
    <td><p>Date due</p></td> <td><p>Student comment</p></td> <td><p>Parent
    comment</p></td> <td><p>Mentor comment</p></td> <td><p>Target met?</p></td>
    <td><p>Target ID</p></td> </tr>";
86              for ($targetno = 1; $targetno <= ($targetarray = mysql_fetch_array(
    $targetquery)); $targetno++ ) {
87                  $DateDue = $targetarray[2];
88                  $yyyy = "$DateDue[0]" . "$DateDue[1]" . "$DateDue[2]" . "$DateDue[3]";
89                  $mm = "$DateDue[5]" . "$DateDue[6]";
90                  $dd = "$DateDue[8]" . "$DateDue[9]";
91                  $datetime = date('l j F', mktime(0,0,0, $mm, $dd, $yyyy, 0));
92                  echo "<tr> <td><p>";
93                  if ($targetarray[0] == 1) {
94                      $TargetUserName = "Student";
95                  } else if ($targetarray[0] == 2) {
96                      $TargetUserName = "Parent";
97                  } else if ($targetarray[0] == 3) {
98                      $TargetUserName = "Mentor";
99                  }
100                 echo "$TargetUserName</p></td> <td><p>$targetarray[1]</p></td>
```

```php
                   <td><p>";
101                    echo "$datetime";
102
103    // Each individual user may alter their own comments, but not those of other users.
104                    echo "</p></td> <td><p>$targetarray[3]";
105                    if ($UserType == 1) {
106                        echo " <p><a href = 'CommentPage.php?MeetingID=$MeetingID
       &TargetID=$targetarray[7]&action=3'>(add/edit comment)</a></p> <p><a href =
       'CommentPage.php?MeetingID=$MeetingID&TargetID=$targetarray[7]&action=2'>(delete
       comment)</a></p>";
107                    }
108                    echo "</p></td> <td><p>$targetarray[4]";
109                    if ($UserType == 2) {
110                        echo " <p><a href = 'CommentPage.php?MeetingID=$MeetingID
       &TargetID=$targetarray[7]&action=3'>(add/edit comment)</a></p> <p><a href =
       'CommentPage.php?MeetingID=$MeetingID&TargetID=$targetarray[7]&action=2'>(delete
       comment)</a></p>";
111                    }
112                    echo "</p></td> <td><p>$targetarray[5]";
113                    if ($UserType == 3) {
114                        echo " <p><a href = 'CommentPage.php?MeetingID=$MeetingID
       &TargetID=$targetarray[7]&action=3'>(add/edit comment)</a></p> <p><a href =
       'CommentPage.php?MeetingID=$MeetingID&TargetID=$targetarray[7]&action=2'>(delete
       comment)</a></p>";
115                    }
116                    echo "</p></td> <td><p>";
117                    if ($targetarray[6] == 1) {
118                        echo "Yes";
119                    } else if ($targetarray[6] == 0) {
120                        echo "No";
121                    }
122                    echo "</p></td> <td><p>$targetarray[7]</p></td>";
123                    if ($UserType == 3) {
124                        echo " <td><p><a href = 'EditTargetPage.php?TargetID=$targetarray
       [7]&MeetingID=$MeetingID&action=0'>Edit</a></p></td> <td><p><a href =
       'DeleteTargetPage.php?TargetID=$targetarray[7]&MeetingID=$MeetingID
       &action=0'>Delete</p></td>";
125                    echo "</tr>";
126                    }
127                }
128            echo "</table>";
129
130    // Allow the mentor to add a target if they desire.
131            if ($UserType == 3) {
132                echo "<p><a href = 'AddTargetPage.php?MeetingID=$MeetingID
       &action=0'>Add target to this meeting</a></p>";
133            }
134        } else {
135            echo "<p>There are currently no targets for this meeting.</p>";
136            if ($UserType == 3) {
137                echo "<p>You can ";
138                echo "<a href = 'AddTargetPage.php?MeetingID=$MeetingID
       &action=0'>add a target</a>";
139                echo " to this meeting.</p>";
140            }
141        }
142    } else {
```

3

```php
143
144    // If a user has linked to a page without an appropriate meeting ID they are
       redirected back to ViewMeetingPage.
145            header('location:ViewMeetingPage.php');
146        }
147    } else {
148        header('location:ViewMeetingPage.php');
149    }
150    echo "<p><a href = 'ViewMeetingPage.php'>View meetings</a></p>";
151
152    ?>
153
154    </body>
155    </html>
156
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4
5   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
6   <title>Add target</title>
7   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
8
9   <?php
10
11  require_once ('DatabaseConnectPage.php');
12  session_start();
13
14  ?>
15
16  </head>
17
18  <body>
19
20  <?php
21
22  // Retrieve the user type
23  $UserType = $_SESSION['UserType'];
24
25  // User type must be a mentor, otherwise the user may not enter beyond this point.
26  if ($UserType == 3) {
27
28  // Targets created will be connected to current meeting, so meeting ID is required.
29      $MeetingID = $_GET['MeetingID'];
30
31  // Each page must directly address the issue of security, hence why the user ID is
    useful.
32      $UserID = $_SESSION['UserID'];
33      $validatemeetingsql = "SELECT * FROM MeetingTable WHERE MentorID = $UserID AND
    MeetingID = $MeetingID";
34      $validatemeetingquery = mysql_query($validatemeetingsql);
35      if ($validatemeetingarray = mysql_fetch_array($validatemeetingquery)) {
36
37          $action = $_GET['action'];
38
39  // Target details will undergo checking before adding if $action is set to 1.
40          if ($action == 1) {
41
42  // Checks if each required property has actually been set.
43              if ( (isset($_GET['TargetUserType']) && ( ($_GET['TargetUserType'] == 1)
    || ($_GET['TargetUserType'] == 2) || ($_GET['TargetUserType'] == 3) ) ) && (
    addslashes(isset($_GET['UserTarget'])) && (addslashes($_GET['UserTarget']) != '') )
    && (isset($_GET['day']) && ($_GET['day'] != '') ) && (isset($_GET['month']) && ($_GET
    ['month'] != '') ) ) {
44
45                  $TargetUserType = $_GET['TargetUserType'];
46                  $UserTarget = addslashes($_GET['UserTarget']);
47                  $day = $_GET['day'];
48                  $month = $_GET['month'];
49                  if (addslashes(isset($_GET['MentorComment']))) {
50                      $MentorComment = addslashes($_GET['MentorComment']);
```

```php
51                        } else {
52                            $MentorComment = '';
53                        }
54
55                        $yyyy = date('Y');
56                        $maxday = date('t', mktime(0,0,0,$month,1,$yyyy,0));
57                        if ($day >= 1 && $day <= $maxday && $day == floor($day)) {
58                            $dd = date('d', mktime(0,0,0,$month, $day, $yyyy, 0));
59                            $mm = date('m', mktime(0,0,0,$month, $day, $yyyy, 0));
60                            $currentmonth = date('n');
61                            $currentday = date('j');
62
63  // Proceeds if either: both months are in the last 4 months in the calendar but
    current month is earlier than scheduled month; current month is before end of
    calendar year, but scheduled month is after the start of new calendar year; both
    months after new calendar year, but current month before scheduled month; both dates
    are in the same month and the deadline is later in the month than the current day.
    The aim of this is so that targets need to be set in advance, not after the deadline.
64                            if ( ( ($mm >= 9 && $mm <= 12 && $currentmonth >= 9 &&
    $currentmonth <= 12) || ($mm >= 1 && $mm <= 6 && $currentmonth >= 9 && $currentmonth
    <= 12) && $mm > $currentmonth) || ($mm >= 1 && $mm <= 6 && $currentmonth >= 1 &&
    $currentmonth <= 6 && $mm > $currentmonth) || ($mm == $currentmonth && $day >=
    $currentday ) ) {
65
66  // Academic years overlap over two Gregorian years so if mentor sets a target in any
    month between September and December which is to be met between January and June,
    the year is incremented by one. This helps with ordering targets by date.
67                                if (($mm >= 1 && $mm <= 6) && ($currentmonth >= 9 &&
    $currentmonth <= 12)) {
68                                    $yyyy++;
69                                }
70
71  // Properties are prepared for being inserted into new target.
72                                $DateDue = $yyyy . $mm . $dd;
73                                $addsql = "INSERT INTO TargetTable (TargetUserType,
    UserTarget, DateDue, MentorComment, TargetMetYet, MeetingID) VALUES ($TargetUserType
    , '$UserTarget', $DateDue, '$MentorComment', 0, $MeetingID)";
74                                $addquery = mysql_query($addsql);
75                                echo "<p><a href = 'ViewTargetPage.php?MeetingID=$MeetingID
    '>Go back - View targets</a></p>";
76                                header("location:ViewTargetPage.php?MeetingID=$MeetingID");
77                            } else {
78                                $action = 0;
79                                echo "<p>Cannot set a due date earlier than today.</p>";
80                            }
81                        } else {
82                            $action = 0;
83                            echo "<p>Error with date input information. Please enter an
    appropriate date.</p>";
84                        }
85
86                } else {
87                    $action = 0;
88                    echo "<p>Please enter data in required fields (user, target and date
    due)</p>";
89                }
90
```

```php
 91
 92            }
 93
 94    // By default, the action is to enter details for the new target.
 95            if ($action == 0) {
 96
 97    // Set any variables not used at this point to null. This eliminates error messages
       being reported for any unassigned variables.
 98                $currentday = '';
 99                $currentmonth = '';
100                $TargetUserType = '';
101                $UserTarget = '';
102                $DateDue = '';
103                $StudentComment = '';
104                $ParentComment = '';
105                $MentorComment = '';
106                $TargetMetYet = '';
107                $TargetID = '';
108                $day = '';
109                $month = '';
110                $maxday = '';
111                $dd = '';
112                $mm = '';
113                $yy = '';
114                $displayparent = 0;
115
116    // Begin form.
117                echo "<form action = 'AddTargetPage.php?TargetUserType=$TargetUserType
       &UserTarget=$UserTarget&MentorComment=$MentorComment&day=$day&month=$month&MeetingID=
       $MeetingID&action=1' method = 'get'>";
118
119    // Search for student. SQL queries are used instead of session variables because
       this method responds immediately to updates, for example, if erroneous details have
       been rectified then they should display correctly.
120                $studentidsql = "SELECT StudentID FROM MeetingTable WHERE MeetingID =
       $MeetingID";
121                $studentidquery = mysql_query($studentidsql);
122                $studentidarray = mysql_fetch_array($studentidquery);
123                $studentsql = "SELECT StudentFirstName, StudentSurname, StudentForm FROM
       StudentTable WHERE StudentID = $studentidarray[0]";
124                $studentquery = mysql_query($studentsql);
125                if ($studentarray = mysql_fetch_array($studentquery)) {
126
127    // Parent search, similar to the code used in ViewMeetingPage and ViewContactPage,
       because without a student there would be no use of a parent.
128                    $parentidsql = "SELECT ParentID FROM StudentTable WHERE StudentId =
       $studentidarray[0]";
129                    $parentidquery = mysql_query($parentidsql);
130                    if ($parentidarray = mysql_fetch_array($parentidquery)) {
131                        $parentsql = "SELECT ParentFirstName, ParentSurname FROM
       ParentTable WHERE ParentID = $parentidarray[0]";
132                        $parentquery = mysql_query($parentsql);
133                        if ($parentarray = mysql_fetch_array($parentquery)) {
134                            $displayparent = 1;
135                        }
136                    }
137                }
```

3

```php
138
139    // Selection of target's user display.
140                echo "<p>Which of the users is this target set for? ";
141                echo "<select name = 'TargetUserType'>";
142                echo "<option></option>";
143                echo "<option value = '1'>$studentarray[0] $studentarray[1], form
       $studentarray[2], ID $studentidarray[0], student</option>";
144                if ($displayparent == 1) {
145                    echo "<option value = '2'>$parentarray[0] $parentarray[1], ID
       $parentidarray[0], parent</option>";
146                }
147                echo "<option value = '3'>Myself, mentor</option>";
148                echo "</select></p>";
149
150    // Input boxes for inserting text for target and mentor comment.
151
152                echo "<p>User target: ";
153                echo "<input name = 'UserTarget' type = 'text'>";
154                echo "</input></p>";
155
156                echo "<p>Comment: ";
157                echo "<input name = 'MentorComment' type = 'text'>";
158                echo "</input></p>";
159
160    // Date input - day and month.
161                echo "<p>Date target due: ";
162                echo "day ";
163                echo "<input name = 'day' type = 'text' size = '2'  maxlength = '2'>";

164                echo "</input>";
165                echo "month ";
166                echo "<select name = 'month'>";
167                echo "<option></option>";
168                echo "<option value = '9'>September</option>";
169                echo "<option value = '10'>October</option>";
170                echo "<option value = '11'>November</option>";
171                echo "<option value = '12'>December</option>";
172                echo "<option value = '1'>January</option>";
173                echo "<option value = '2'>February</option>";
174                echo "<option value = '3'>March</option>";
175                echo "<option value = '4'>April</option>";
176                echo "<option value = '5'>May</option>";
177                echo "<option value = '6'>June</option>";
178                echo "</select></p>";
179
180                echo "<input name = 'MeetingID' type = 'hidden' value = '$MeetingID'>";
181                echo "<input name = 'action' type = 'hidden' value = '1'>";
182
183                echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
184                echo "</form>";
185                echo "<p><a href = 'ViewTargetPage.php?MeetingID=$MeetingID'>Cancel and
       view targets</a></p>";
186
187            }
188
189        } else {
190
```

4

```php
191    // Errors for when the wrong meeting ID has been input and if user is not a mentor.
192            header("location:ViewTargetPage.php?MeetingID=$MeetingID");
193        }
194
195    } else {
196        header("location:ViewTargetPage.php?MeetingID=$MeetingID");
197    }
198
199    ?>
200
201    </body>
202
203    </html>
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4
5   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
6   <title>Edit target</title>
7   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
8
9   <?php
10
11  require_once ('DatabaseConnectPage.php');
12  session_start();
13
14  ?>
15
16  </head>
17
18  <body>
19
20  <?php
21
22  // User type retrieved.
23  $UserType = $_SESSION['UserType'];
24
25  // User must be a mentor to access this page.
26  if ($UserType == 3) {
27
28  // Details of meeting retrieved.
29      $MeetingID = $_GET['MeetingID'];
30      $UserID = $_SESSION['UserID'];
31
32  // Checks if mentor and meeting match.
33      $validatemeetingsql = "SELECT * FROM MeetingTable WHERE MentorID = $UserID AND
    MeetingID = $MeetingID";
34      $validatemeetingquery = mysql_query($validatemeetingsql);
35      if ($validatemeetingarray = mysql_fetch_array($validatemeetingquery)) {
36          $TargetID = $_GET['TargetID'];
37          $targetsql = "SELECT TargetUserType, UserTarget, DateDue, StudentComment,
    ParentComment, MentorComment, TargetMetYet FROM TargetTable WHERE TargetID =
    $TargetID";
38          $targetquery = mysql_query($targetsql);
39          if ($targetarray = mysql_fetch_array($targetquery)) {
40              $action = $_GET['action'];
41              $TargetUserType = $targetarray[0];
42              $UserTarget = addslashes($targetarray[1]);
43              $DateDue = $targetarray[2];
44              if ($targetarray[3] != '') {
45                  $StudentComment = $targetarray[3];
46              } else {
47                  $StudentComment = '';
48              }
49              if ($targetarray[4] != '') {
50                  $ParentComment = $targetarray[4];
51              } else {
52                  $ParentComment = '';
53              }
```

1

```php
54                if ($targetarray[5] != '') {
55                    $MentorComment = $targetarray[5];
56                } else {
57                    $MentorComment = '';
58                }
59                $TargetMetYet = $targetarray[6];

// When the information is being transferred into the validaiton procedure.
62                if ($action == 1) {

// Each field required must not be left blank.
65                    if ( (isset($_GET['TargetUserType']) && ( ($_GET['TargetUserType'] ==
      1) || ($_GET['TargetUserType'] == 2) || ($_GET['TargetUserType'] == 3) ) ) && (
      addslashes(isset($_GET['UserTarget'])) && (addslashes($_GET['UserTarget']) != '') )
      && (isset($_GET['day']) && ($_GET['day'] != '') ) && (isset($_GET['month']) && ($_GET
      ['month'] != '') ) ) ) {

67                        $TargetUserType = $_GET['TargetUserType'];
68                        $UserTarget = addslashes($_GET['UserTarget']);
69                        $day = $_GET['day'];
70                        $month = $_GET['month'];
71                        $TargetMetYet = $_GET['TargetMetYet'];
72                        if (addslashes(isset($_GET['MentorComment']))) {
73                            $MentorComment = addslashes($_GET['MentorComment']);
74                        } else {
75                            $MentorComment = '';
76                        }

78                        $yyyy = date('Y');
79                        $maxday = date('t', mktime(0,0,0,$month,1,$yyyy,0));

// Checks if given day fits within set month.
82                        if ($day >= 1 && $day <= $maxday && $day == floor($day)) {
83                            $dd = date('d', mktime(0,0,0,$month, $day, $yyyy, 0));
84                            $mm = date('m', mktime(0,0,0,$month, $day, $yyyy, 0));
85                            $currentmonth = date('n');
86                            $currentday = date('j');

// Due date must not be earlier in the academic year than the current day.
89                            if ( ( ($mm >= 9 && $mm <= 12 && $currentmonth >= 9 &&
      $currentmonth <= 12) || ($mm >= 1 && $mm <= 6 && $currentmonth >= 9 && $currentmonth
      <= 12) && $mm > $currentmonth) || ($mm >= 1 && $mm <= 6 && $currentmonth >= 1 &&
      $currentmonth <= 6 && $mm > $currentmonth) || ($mm == $currentmonth && $day >=
      $currentday ) ) {

91                                if (($mm >= 1 && $mm <= 6) && ($currentmonth >= 9 &&
      $currentmonth <= 12)) {
92                                    $yyyy++;
93                                }

// Prepares target information for inserting into query, which is then used to
      modify target details.
96                                $DateDue = $yyyy . $mm . $dd;
97                                $editsql = "UPDATE TargetTable SET TargetUserType =
      $TargetUserType, UserTarget = '$UserTarget', DateDue = $DateDue, MentorComment = '
      $MentorComment', TargetMetYet = $TargetMetYet, MeetingID = $MeetingID WHERE TargetID
      = $TargetID";
```

```php
 98                                  $editquery = mysql_query($editsql);
 99                                  echo "<p>Target edited.</p>";
100                                  echo "<p><a href = 'ViewTargetPage.php?MeetingID=
     $MeetingID'>Go back - View targets</a></p>";
101                                  header("location:ViewTargetPage.php?MeetingID=$MeetingID"
     );
102
103     // User will need to enter new details again if date set was invalid or if not all
     fields were correctly entered in.
104                              } else {
105                                  $action = 0;
106                                  echo "<p>Cannot set a due date earlier than today.</p>";
107                              }
108                          } else {
109                              $action = 0;
110                              echo "<p>Error with date input information. Please enter an
     appropriate date.</p>";
111                          }
112
113                      } else {
114                          $action = 0;
115                          echo "<p>Please enter data in required fields (user, target and
     date due)</p>";
116                      }
117
118
119                  }
120
121     // User is prompted with input boxes to alter the current information, just as they
     would with adding a meeting.
122              if ($action == 0) {
123
124                  $currentday = '';
125                  $currentmonth = '';
126                  $day = '';
127                  $month = '';
128                  $yyyy = '';
129                  $mm = '';
130                  $dd = '';
131                  $displayparent = 0;
132
133                  echo "<form action = 'EditTargetPage.php?TargetUserType=
     $TargetUserType&UserTarget=$UserTarget&MentorComment=$MentorComment&day=$day&month=
     $month&TargetMetYet=$TargetMetYet&MeetingID=$MeetingID&TargetID=$TargetID&action=1'
     method = 'get'>";
134
135                  $studentidsql = "SELECT StudentID FROM MeetingTable WHERE MeetingID
     = $MeetingID";
136                  $studentidquery = mysql_query($studentidsql);
137                  $studentidarray = mysql_fetch_array($studentidquery);
138                  $studentsql = "SELECT StudentFirstName, StudentSurname, StudentForm
     FROM StudentTable WHERE StudentID = $studentidarray[0]";
139                  $studentquery = mysql_query($studentsql);
140                  if ($studentarray = mysql_fetch_array($studentquery)) {
141                      $parentidsql = "SELECT ParentID FROM StudentTable WHERE
     StudentID = $studentidarray[0]";
142                      $parentidquery = mysql_query($parentidsql);
```

3

```php
143                    if ($parentidarray = mysql_fetch_array($parentidquery)) {
144                        $parentsql = "SELECT ParentFirstName, ParentSurname FROM
       ParentTable WHERE ParentID = $parentidarray[0]";
145                        $parentquery = mysql_query($parentsql);
146                        if ($parentarray = mysql_fetch_array($parentquery)) {
147                            $displayparent = 1;
148                        }
149                    }
150                }
151
152                echo "<p>Which of the users is this target set for? ";
153                echo "<select name = 'TargetUserType'>";
154                echo "<option></option>";
155                echo "<option value = '1'";
156                if ($TargetUserType == 1) {
157                echo " SELECTED";
158                }
159                echo ">$studentarray[0] $studentarray[1], form $studentarray[2], ID
       $studentidarray[0]</option>, student";
160                if ($displayparent == 1) {
161                    echo "<option value = '2'";
162                    if ($TargetUserType == 2) {
163                    echo " SELECTED";
164                    }
165                echo ">$parentarray[0] $parentarray[1], ID $parentidarray[0],
       parent</option>";
166                }
167                echo "<option value = '3'";
168                if ($TargetUserType == 3) {
169                echo " SELECTED";
170                }
171                echo ">Myself, mentor</option>";
172                echo "</select></p>";
173
174                echo "<p>User target: ";
175                echo "<input name = 'UserTarget' type = 'text' value = '$UserTarget
       '>";
176                echo "</input></p>";
177                echo "<p>Student's comment: " . $StudentComment . "</p>";
178                echo "<p>Parent's comment: " . $ParentComment . "</p>";
179
180                echo "<p>Comment: ";
181                echo "<input name = 'MentorComment' type = 'text' value = '
       $MentorComment'>";
182                echo "</input></p>";
183
184                $yyyy = "$DateDue[0]" . "$DateDue[1]" . "$DateDue[2]" . "$DateDue[3]";
185                $mm = "$DateDue[5]" . "$DateDue[6]";
186                $dd = "$DateDue[8]" . "$DateDue[9]";
187
188                echo "<p>Date target due: ";
189                echo "day ";
190                echo "<input name = 'day' type = 'text' size = '2'  maxlength = '2'
       value = '$dd'>";
191                echo "</input>";
192                echo "month ";
193                echo "<select name = 'month'>";
```

4

```php
194                    echo "<option></option>";
195                    echo "<option value = '9'";
196                    if ($mm == 9) {
197                        echo " SELECTED";
198                    }
199                    echo ">September</option>";
200                    echo "<option value = '10'";
201                    if ($mm == 10) {
202                        echo " SELECTED";
203                    }
204                    echo ">October</option>";
205                    echo "<option value = '11'";
206                    if ($mm == 11) {
207                        echo " SELECTED";
208                    }
209                    echo ">November</option>";
210                    echo "<option value = '12'";
211                    if ($mm == 12) {
212                        echo " SELECTED";
213                    }
214                    echo ">December</option>";
215                    echo "<option value = '1'";
216                    if ($mm == 1) {
217                        echo " SELECTED";
218                    }
219                    echo ">January</option>";
220                    echo "<option value = '2'";
221                    if ($mm == 2) {
222                        echo " SELECTED";
223                    }
224                    echo ">February</option>";
225                    echo "<option value = '3'";
226                    if ($mm == 3) {
227                        echo " SELECTED";
228                    }
229                    echo ">March</option>";
230                    echo "<option value = '4'";
231                    if ($mm == 4) {
232                        echo " SELECTED";
233                    }
234                    echo ">April</option>";
235                    echo "<option value = '5'";
236                    if ($mm == 5) {
237                        echo " SELECTED";
238                    }
239                    echo ">May</option>";
240                    echo "<option value = '6'";
241                    if ($mm == 6) {
242                        echo " SELECTED";
243                    }
244                    echo ">June</option>";
245                    echo "</p></select>";
246
247                    echo "<p>Target met?";
248                    echo "<input type='radio' name='TargetMetYet' value=1";
249                    if ($TargetMetYet == 1) {
250                        echo " checked='checked'";
```

```php
251                        }
252                        echo ">Yes</input>";
253                        echo "<input type='radio' name='TargetMetYet' value=0";
254                        if ($TargetMetYet == 0) {
255                            echo " checked='checked'";
256                        }
257                        echo ">No</input></p>";
258
259                        echo "<input name = 'MeetingID' type = 'hidden' value = '$MeetingID
      '>";
260                        echo "<input name = 'action' type = 'hidden' value = '1'>";
261                        echo "<input name = 'TargetID' type = 'hidden' value = '$TargetID'>";
262                        echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
263                        echo "</form>";
264                        echo "<p><a href = 'ViewTargetPage.php?MeetingID=$MeetingID'>Cancel
      and view targets</a></p>";
265
266                    }
267
268    // Errors are the result of an incorrect target ID, meeting ID, or that the user is
      not a mentor.
269            } else {
270                header("location:ViewTargetPage.php?MeetingID=$MeetingID");
271            }
272
273        } else {
274            header("location:ViewTargetPage.php?MeetingID=$MeetingID");
275        }
276
277    } else {
278        header("location:ViewTargetPage.php?MeetingID=$MeetingID");
279    }
280
281    ?>
282
283    </body>
284
285    </html>
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4
5   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
6   <title>Delete target</title>
7   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
8
9   <?php
10
11  require_once ('DatabaseConnectPage.php');
12  session_start();
13
14  ?>
15
16  </head>
17
18  <body>
19
20  <?php
21
22  // Retrieves user type.
23  $UserType = $_SESSION['UserType'];
24
25  // Page contents only accessible to mentors.
26  if ($UserType == 3) {
27
28  // Primary key of meeting is required before user can be verified.
29      $MeetingID = $_GET['MeetingID'];
30
31  // User is checked if they match with the target's meeting.
32      $UserID = $_SESSION['UserID'];
33      $validatemeetingsql = "SELECT * FROM MeetingTable WHERE MentorID = $UserID AND
    MeetingID = $MeetingID";
34      $validatemeetingquery = mysql_query($validatemeetingsql);
35      if ($validatemeetingarray = mysql_fetch_array($validatemeetingquery)) {
36
37  // Target ID is required before target can be deleted.
38          $TargetID = $_GET['TargetID'];
39          $targetsql = "SELECT TargetUserType, UserTarget, DateDue, StudentComment,
    ParentComment, MentorComment, TargetMetYet FROM TargetTable WHERE TargetID =
    $TargetID";
40          $targetquery = mysql_query($targetsql);
41          if ($targetarray = mysql_fetch_array($targetquery)) {
42
43  // Target information is retrieved and may be used in displaying details before it
    is actually deleted.
44              $action = $_GET['action'];
45
46  // Deleting the target is an SQL query.
47              if ($action == 1) {
48                  $deletesql = "DELETE FROM TargetTable WHERE TargetID = $TargetID";
49                  $deletequery = mysql_query($deletesql);
50                  header("location:ViewTargetPage.php?MeetingID=$MeetingID");
51              }
52              if ($action == 0) {
```

```php
53
54   // Variables are set before they can be used.
55                   $currentday = '';
56                   $currentmonth = '';
57                   $day = '';
58                   $month = '';
59                   $yyyy = '';
60                   $mm = '';
61                   $dd = '';
62                   $displayparent = 0;
63                   $TargetUserType = $targetarray[0];
64                   $UserTarget = $targetarray[1];
65                   $DateDue = $targetarray[2];
66                   if ($targetarray[3] != '') {
67                       $StudentComment = $targetarray[3];
68                   } else {
69                       $StudentComment = '';
70                   }
71                   if ($targetarray[4] != '') {
72                       $ParentComment = $targetarray[4];
73                   } else {
74                       $ParentComment = '';
75                   }
76                   if ($targetarray[5] != '') {
77                       $MentorComment = $targetarray[5];
78                   } else {
79                       $MentorComment = '';
80                   }
81                   $TargetMetYet = $targetarray[6];
82
83   // Here a form is used. There is no significant difference in this case to using a
     hyperlink. The structure of AddMeetingPage, EditMeetingPage, DeleteMeetingPage,
     AddTargetPage, EditTargetPage and DeleteTargetPage all have a similar basis.
84                   echo "<form action = 'DeleteTargetPage.php?MeetingID=$MeetingID
     &TargetID=$TargetID&action=1' method = 'get'>";
85
86   // Target's information is displayed to user.
87                   echo "<p>Target for user: ";
88                   if ($TargetUserType == 1) {
89                       echo "student";
90                   } else if ($TargetUserType == 2) {
91                       echo "parent";
92                   } else if ($TargetUserType == 3) {
93                       echo "mentor";
94                   }
95                   echo "</p>";
96                   echo "<p>Target: " . $UserTarget . "</p>";
97                   echo "<p>Student comment: " . $StudentComment . "</p>";
98                   echo "<p>Parent comment: " . $ParentComment . "</p>";
99                   echo "<p>Mentor comment: " . $MentorComment . "</p>";
100                  $yyyy = "$DateDue[0]" . "$DateDue[1]" . "$DateDue[2]" . "$DateDue[3]";
101                  $mm = "$DateDue[5]" . "$DateDue[6]";
102                  $dd = "$DateDue[8]" . "$DateDue[9]";
103                  $datetime = date('l j F', mktime(0,0,0, $mm, $dd, $yyyy, 0));
104                  echo "<p>Date target due: ";
105                  echo "$datetime</p>";
106                  echo "<p>Target Met: ";
```

2

```php
107                    if ($TargetMetYet == 1) {
108                        echo "Yes";
109                    } else if ($TargetMetYet == 0) {
110                        echo "No";
111                    }
112                    echo "</p>";
113                    echo "<input name = 'MeetingID' type = 'hidden' value = '$MeetingID
      '>";
114                    echo "<input name = 'action' type = 'hidden' value = '1'>";
115                    echo "<input name = 'TargetID' type = 'hidden' value = '$TargetID'>";
116                    echo "<p><input name = 'submit' type = 'submit' id='submit'></p>";
117                    echo "</form>";
118                    echo "<p><a href = 'ViewTargetPage.php?MeetingID=$MeetingID'>Cancel
      and view targets</a></p>";
119                }
120            } else {
121
122  // User must be connected with meeting target belongs to and must be a mentor,
      otherwise they are redirected back to ViewTagretPage.
123                header("location:ViewTargetPage.php?MeetingID=$MeetingID");
124            }
125        } else {
126            header("location:ViewTargetPage.php?MeetingID=$MeetingID");
127        }
128    } else {
129        header("location:ViewTargetPage.php?MeetingID=$MeetingID");
130    }
131
132  ?>
133
134  </body>
135
136  </html>
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Add/edit/delete comment</title>
6   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8   <?php
9   session_start();
10  require('DatabaseConnectPage.php');
11  ?>
12
13  </head>
14
15  <body>
16
17  <?php
18
19  // Before the user is allowed to alter the state of the comment field, they must be
    validated and then assigned the field based on their user type.
20  $UserType = $_SESSION['UserType'];
21  $UserID = $_SESSION['UserID'];
22  $TargetID = $_GET['TargetID'];
23  $MeetingID = $_GET['MeetingID'];
24  $targetlinked = 0;
25
26  $confirmsql1 = "SELECT * FROM MeetingTable WHERE MeetingID = $MeetingID";
27  if ($UserType == 1) {
28      $confirmsql2 = " AND StudentID = $UserID";
29      $confirmsql = $confirmsql1 . $confirmsql2;
30      $confirmquery = mysql_query($confirmsql);
31      if ($confirmarray = mysql_fetch_array($confirmquery)) {
32          $targetlinked = 1;
33      }
34  } else if ($UserType == 2) {
35          $studentsql = "SELECT StudentID FROM StudentTable WHERE ParentID = $UserID";
36          $studentquery = mysql_query($studentsql);
37          for ($studentno = 1; $studentno < ($studentarray = mysql_fetch_array(
    $studentquery)); $studentno++) {
38              $StudentID = $studentarray[0];
39
40              $confirmsql2 = " AND StudentID = $StudentID";
41              $confirmsql = $confirmsql1 . $confirmsql2;
42              $confirmquery = mysql_query($confirmsql);
43              if ($confirmarray = mysql_fetch_array($confirmquery)) {
44                  $targetlinked = 1;
45              }
46          }
47  } else if ($UserType == 3) {
48      $confirmsql2 = " AND MentorID = $UserID";
49      $confirmsql = $confirmsql1 . $confirmsql2;
50      $confirmquery = mysql_query($confirmsql);
51      if ($confirmarray = mysql_fetch_array($confirmquery)) {
52          $targetlinked = 1;
53      }
54  }
```

```php
55
56   // When a result is returned from any of the above queries, the user may change
     their comment.
57   if ($targetlinked == 1) {
58       $findsql = "SELECT StudentComment, ParentComment, MentorComment FROM TargetTable
     WHERE TargetID = $TargetID";
59       $findquery = mysql_query($findsql);
60       if ($findarray = mysql_fetch_array($findquery)) {
61
62   // $action is used here to verify which action should be taken - add/edit, delete or
     prepare comment?
63           $action = $_GET['action'];
64
65   // For adding and editing comments.
66           if ($action == 1) {
67               $UserComment = $_GET['UserComment'];
68               $commentsql1 = "UPDATE TargetTable SET ";
69               if ($UserType == 1) {
70                   $commentsql2 = "StudentComment ";
71               } else if ($UserType == 2) {
72                   $commentsql2 = "ParentComment ";
73               } else if ($UserType == 3) {
74                   $commentsql2 = "MentorComment ";
75               }
76               $commentsql3 = "= '$UserComment' WHERE TargetID = $TargetID";
77               $commentsql = $commentsql1 . $commentsql2 . $commentsql3;
78               $commentquery = mysql_query($commentsql);
79               header("location:ViewTargetPage.php?MeetingID=$MeetingID");
80
81   // Deleting comments.
82           } else if ($action == 2) {
83                $commentsql1 = "UPDATE TargetTable SET ";
84               if ($UserType == 1) {
85                   $commentsql2 = "StudentComment ";
86               } else if ($UserType == 2) {
87                   $commentsql2 = "ParentComment ";
88               } else if ($UserType == 3) {
89                   $commentsql2 = "MentorComment ";
90               }
91               $commentsql3 = "= NULL WHERE TargetID = $TargetID";
92               $commentsql = $commentsql1 . $commentsql2 . $commentsql3;
93               $commentquery = mysql_query($commentsql);
94               header("location:ViewTargetPage.php?MeetingID=$MeetingID");
95
96   // Preparing a comment before writing it to the table.
97           } else if ($action == 3) {
98               if ($UserType == 1) {
99                   $UserComment = addslashes($findarray[0]);
100              } else if ($UserType == 2) {
101                  $UserComment = addslashes($findarray[1]);
102              } else if ($UserType == 3) {
103                  $UserComment = addslashes($findarray[2]);
104              }
105              echo "<form action = 'CommentPage.php?MeetingID=$MeetingID&TargetID=
     $TargetID&UserComment=$UserComment&action=1' method = 'get'>";
106              echo "<p>Comment: ";
107
```

```php
108    // Input comment. If comment already exists, place it here to edit.
109            echo "<input name = 'UserComment' id = 'UserComment' type = 'text' value
       = '$UserComment'>";
110            echo "</input";
111            echo "</p>";
112
113    // Automatically carry MeetingID, TargetID and assign $action to the page after
       submission.
114            echo "<input name = 'MeetingID' id = 'MeetingID' type = 'hidden' value =
       '$MeetingID'></input>";
115            echo "<input name = 'TargetID' id = 'TargetID' type = 'hidden' value = '
       $TargetID'></input>";
116            echo "<input name = 'action' type = 'hidden' value = '1'></input>";
117            echo "<p><input name = 'submit' type = 'submit' id = 'submit' value =
       'Add/edit comment'></p>";
118            echo "</form>";
119            echo '';
120            echo "<p><a href = 'CommentPage.php?MeetingID=$MeetingID&TargetID=
       $TargetID&UserComment=$UserComment&action=2'>Delete comment</a></p>";
121            echo "<p><a href = 'ViewTargetPage.php?MeetingID=$MeetingID'>Cancel and
       view targets</a></p>";
122        } else {
123            header('location:ViewTargetPage.php?MeetingID=$MeetingID');
124        }
125
126    // Query failure would be very abnormal, but it could happen if the user is missing
       key information (i.e. if they prefer to use an address bar directly when browsing).
       User must be connected with the target, otherwise they are redirected back to
       ViewTargetPage.
127        } else {
128            header('location:ViewTargetPage.php?MeetingID=$MeetingID');
129        }
130    } else {
131        header('location:ViewTargetPage.php?MeetingID=$MeetingID');
132    }
133
134    ?>
135
136    </body>
137
138    </html>
```

3

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2
3   <?php
4
5   session_start();
6   require ('DatabaseConnectPage.php');
7
8   ?>
9
10  <html>
11  <head>
12
13  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
14  <title>View contacts</title>
15  <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
16  </head>
17
18  <body>
19
20  <?php
21
22  // The contact aspect of the scheme is large. Of the four contact-related pages,
    this page is the largest because it handles the different user types, requests for
    other users, requests from other users, displaying current linked users' information
    and any indirectly connected users for parents and mentors. Deleting a contact is
    also used in this page, somewhat similarly to pages such as EditMeetingPage,
    EditTargetPage and CommentPage.
23
24  // Assign variables.
25  $UserType = $_SESSION['UserType'];
26  $UserID = $_SESSION['UserID'];
27  $requesterdetaildisplay = 0;
28  $requesteddetaildisplay = 0;
29
30  echo "<h1>View contacts</h1>";
31  echo "<hr />";
32
33  // Each user type will have different processes.
34  switch ($UserType) {
35
36  // Student case.
37      case 1:
38
39  // Identifies student's ID as a student ID as well as a user ID.
40      $StudentID = $UserID;
41
42  // SQL query for ParentTable, finding the student's parent.
43      $parentsql = "SELECT ParentTable.ParentFirstName, ParentTable.ParentSurname,
    ParentTable.ParentID, ParentTable.ParentEmail, ParentTable.ParentPhoneNumber FROM
    StudentTable, ParentTable WHERE StudentTable.StudentID = $UserID AND
    StudentTable.ParentID = ParentTable.ParentID AND StudentTable.ParentID IS NOT NULL";
44      $parentquery = mysql_query($parentsql);
45      if ($parentquery) {
46          $parentarray = mysql_fetch_array($parentquery);
47
48  // Parent details are only displayed if the parent is found.
```

```php
49          if (($parentarray) && $parentarray[2] != '') {
50              $ParentFirstName = $parentarray[0];
51              $ParentSurname = $parentarray[1];
52              $ParentID = $parentarray[2];
53              $ParentEmail = $parentarray[3];
54              $ParentPhoneNumber = $parentarray[4];
55              echo "<p>Your parent is " . "$ParentFirstName " . "$ParentSurname. " .
        "<br />" . "Parent ID = " . "$ParentID. " . "<br />";
56
57  // Optional details may be displayed if they exist.
58              if ((isset($ParentEmail)) && $ParentEmail != '') {
59                  echo "Parent's email address is  $ParentEmail." . "<br />";
60              }
61              if ((isset($ParentPhoneNumber)) && $ParentPhoneNumber != '') {
62                  echo "Parent's phone number is  $ParentPhoneNumber." . "<br />";
63              }
64              echo "<a href = 'ViewContactPage.php?deleteusertype=2&deleteuserid=
        $ParentID&StudentID=$UserID'>(Delete contact)</a><br />";
65              echo "</p>";
66          } else {
67
68  // This message is displayed in the case no parent is found.
69              echo "<p>No parent found. You may not be assigned to a parent. If this
        is the case, use the 'Search contact' link and follow the page instructions to
        request your parent user or add them if they have requested you. If you already have
        a parent entry but this message is displayed, please consult the system
        administrator.</p>";
70          }
71      }
72
73  // MentorTable must also be queried in order to find mentor details.
74      $mentorsql = "SELECT MentorTable.MentorFirstName, MentorTable.MentorSurname,
        MentorTable.MentorID, MentorTable.MentorEmail, MentorTable.MentorPhoneNumber FROM
        StudentTable, MentorTable WHERE StudentTable.StudentID = $UserID AND
        StudentTable.MentorID = MentorTable.MentorID AND StudentTable.MentorID IS NOT NULL";
75      $mentorquery = mysql_query($mentorsql);
76      if ($mentorquery) {
77          $mentorarray = mysql_fetch_array($mentorquery);
78
79  // Mentor details are displayed in the case of a successful search.
80          if ($mentorarray && $mentorarray[2] != '') {
81              $MentorFirstName = $mentorarray[0];
82              $MentorSurname = $mentorarray[1];
83              $MentorID = $mentorarray[2];
84              $MentorEmail = $mentorarray[3];
85              $MentorPhoneNumber = $mentorarray[4];
86              echo "<p>Your mentor is " . "$MentorFirstName " . "$MentorSurname. " .
        "<br />" . "Mentor ID = " . "$MentorID. " . "<br />";
87
88  // Optional fields may be displayed.
89              if ((isset($MentorEmail)) && $MentorEmail != '') {
90                  echo "Mentor's email address is  $MentorEmail." . "<br />";
91              }
92              if ((isset($MentorPhoneNumber)) && $MentorPhoneNumber != '') {
93                  echo "Mentor's phone number is  $MentorPhoneNumber." . "<br />";
94              }
95              echo "<a href = 'ViewContactPage.php?deleteusertype=3&deleteuserid=
```

```php
     $MentorID&StudentID=$UserID'>(Delete contact)</a><br />";
96              echo "</p>";
97              echo "<hr />";
98          } else {
99

100  // If no mentor is found then the following message is displayed.
101          echo "<p>No mentor found. You may not be assigned to a mentor. If this
     is the case, use the 'Search contact' link and follow the page instructions to
     request your mentor user or add them if they have requested you. If you already have
     a mentor entry but this message is displayed, please consult the system
     administrator.</p>";
102          echo "<hr />";
103      }
104      }
105      break;
106

107  // Parent case.
108      case 2:
109

110  // Parent's user ID is assigned a value in the case it may need to be distinguished
     from other user types.
111      $ParentID = $UserID;
112

113  //SQL query for student table.
114          $studentsql = "SELECT StudentFirstName, StudentSurname, StudentID,
     StudentForm, StudentEmail, StudentPhoneNumber FROM StudentTable WHERE ParentID = '
     $UserID'";
115          $studentvalidationquery = mysql_query($studentsql);
116          $studentquery = mysql_query($studentsql);
117          if ($studentvalidationquery) {
118              if ($studentarray = mysql_fetch_array($studentvalidationquery)) {
119

120  // Loops are appropriate in the case that a parent may have several students being
     mentored.
121              for ($studentno = 1; $studentno <= ($studentarray = mysql_fetch_array
     ($studentquery)); $studentno++) {
122

123  // Variables are assigned to then be used and displayed.
124                  $StudentFirstName = $studentarray[0];
125                  $StudentSurname =  $studentarray[1];
126                  $StudentID = $studentarray[2];
127                  $StudentForm = $studentarray[3];
128                  $StudentEmail = $studentarray[4];
129                  $StudentPhoneNumber = $studentarray[5];
130                  echo "<p>Your student is " . "$StudentFirstName $StudentSurname.
     " . "<br />" . "StudentID is " . "$StudentID. " . "<br />" . "Student form is " . "
     $StudentForm. " . "<br />";
131                      if (isset($StudentEmail) && $StudentEmail != '') {
132                          echo "Student email is " . "$StudentEmail. " . "<br />";
133                      }
134                      if (isset($StudentPhoneNumber) && $StudentPhoneNumber != '') {
135                          echo "Student phone number is " . "$StudentPhoneNumber. " .
     "<br />";
136                      }
137                      echo "<a href =
     'ViewContactPage.php?deleteusertype=2&deleteuserid=$UserID&StudentID=$StudentID
     '>(Delete contact)</a><br />";
```

```php
138                         echo "</p>";
139
140   //SQL query for MentorTable; student's ID is used to find mentor's ID and then
      mentor details using mentor's ID.
141                         $mentorsql = "SELECT MentorTable.MentorFirstName,
      MentorTable.MentorSurname, MentorTable.MentorID, MentorTable.MentorEmail,
      MentorTable.MentorPhoneNumber FROM StudentTable, MentorTable WHERE
      StudentTable.StudentID = $StudentID AND StudentTable.MentorID IS NOT NULL AND
      StudentTable.MentorID = MentorTable.MentorID";
142                         $mentorquery = mysql_query($mentorsql);
143                         if ($mentorarray = mysql_fetch_array($mentorquery)) {
144                             $MentorFirstName = $mentorarray[0];
145                             $MentorSurname = $mentorarray[1];
146                             $MentorID = $mentorarray[2];
147                             $MentorEmail = $mentorarray[3];
148                             $MentorPhoneNumber = $mentorarray[4];
149                             echo "<p>Their mentor is " . "$MentorFirstName " . "
      $MentorSurname, " . "<br />" . "Mentor ID = " . "$MentorID. ";
150                             if ((isset($MentorEmail)) && $MentorEmail != '') {
151                                 echo "Their email address is  $MentorEmail  . ";
152                             }
153                             if ((isset($MentorPhoneNumber)) && $MentorPhoneNumber != '') {
154                                 echo "Their phone number is  $MentorPhoneNumber  . ";
155                             }
156
157   // Now that mentor details are used they are not needed after this point.
158                             unset($MentorFirstName);
159                             unset($MentorSurname);
160                             unset($MentorID);
161                             unset($MentorEmail);
162                             unset($MentorPhoneNumber);
163                             echo "</p>";
164
165   // If a mentor for the student is not found, notify parent.
166                         } else {
167                             echo "<p>Your student does not have a mentor assigned to
      them. You may inform them of this.</p>";
168                         }
169
170   // After each student their details are unset so that they do not interfere with
      other processes within the page.
171                         unset($StudentFirstName);
172                         unset($StudentSurname);
173                         unset($StudentID);
174                         unset($StudentForm);
175                         unset($StudentEmail);
176                         unset($StudentPhoneNumber);
177                         echo "<hr />";
178                     }
179                 } else {
180
181   // If no student was found, display the message below.
182                 echo "<p>No student found in the database. Please search for your
      student using the 'Search contact' link or add them if they have requested you.</p>";
183             }
184         } else {
185
```

```php
186    // If the query fails, display the message below.
187              echo "<p>No student found in the database. Please search for your
       student using the 'Search contact' link or add them if they have requested you.</p>";
188              echo "<hr />";
189          }
190      break;
191
192    // Mentor case.
193      case 3:
194
195    // Identify MentorID as a user ID.
196      $MentorID = $UserID;
197
198    // SQL query for student table
199          $studentsql = "SELECT StudentFirstName, StudentSurname, StudentID,
       StudentForm, StudentEmail, StudentPhoneNumber FROM StudentTable WHERE MentorID = '
       $UserID'";
200          $studentvalidationquery = mysql_query($studentsql);
201          $studentquery = mysql_query($studentsql);
202          if ($studentvalidationquery) {
203              $studentarray = mysql_fetch_array($studentvalidationquery);
204              if ($studentarray) {
205                  for ($studentno = 1; $studentno <= ($studentarray = mysql_fetch_array
       ($studentquery)); $studentno++) {
206
207    // Loop for each student. Assign variables for each property.
208                      $StudentFirstName = $studentarray[0];
209                      $StudentSurname =  $studentarray[1];
210                      $StudentID = $studentarray[2];
211                      $StudentForm = $studentarray[3];
212                      $StudentEmail = $studentarray[4];
213                      $StudentPhoneNumber = $studentarray[5];
214
215    // Display student details.
216                      echo "<p>Your student is " . "$StudentFirstName $StudentSurname.
       " . "<br />" . "StudentID is " . "$StudentID. " . "<br />" . "Student form is " . "
       $StudentForm. " . "<br />";
217                      if (isset($StudentEmail) && $StudentEmail != '') {
218                          echo "Student email is " . "$StudentEmail. " . "<br />";
219                      }
220                      if (isset($StudentPhoneNumber) && $StudentPhoneNumber != '') {
221                          echo "Student phone number is " . "$StudentPhoneNumber. " .
       "<br />";
222                      }
223                      echo "<a href =
       'ViewContactPage.php?deleteusertype=3&deleteuserid=$UserID&StudentID=$StudentID
       '>(Delete contact)</a><br />";
224                      echo "</p>";
225
226    // SQL query for ParentTable
227                      $parentsql = "SELECT ParentTable.ParentFirstName,
       ParentTable.ParentSurname, ParentTable.ParentID, ParentTable.ParentEmail,
       ParentTable.ParentPhoneNumber FROM StudentTable, ParentTable WHERE
       StudentTable.StudentID = $StudentID AND StudentTable.ParentID IS NOT NULL AND
       StudentTable.ParentID = ParentTable.ParentID";
228                      $parentquery = mysql_query($parentsql);
229                      if ($parentarray = mysql_fetch_array($parentquery)) {
```

```php
230
231    // Fetched information on parents is handled just as with students.
232                              $ParentFirstName = $parentarray[0];
233                              $ParentSurname = $parentarray[1];
234                              $ParentID = $parentarray[2];
235                              $ParentEmail = $parentarray[3];
236                              $ParentPhoneNumber = $parentarray[4];
237                              echo "<p>Their parent is " . "$ParentFirstName " . "
       $ParentSurname, " . "<br />" . "Parent ID = " . "$ParentID. ";
238                              if ((isset($ParentEmail)) && $ParentEmail != '') {
239                                  echo "Their email address is  $ParentEmail  . ";
240                              }
241                              if ((isset($ParentPhoneNumber)) && $ParentPhoneNumber != '') {
242                                  echo "Their phone number is  $ParentPhoneNumber  . ";
243                              }
244
245    // Erase current parent's information to avoid it becoming a problem later.
246                              unset($ParentFirstName);
247                              unset($ParentSurname);
248                              unset($ParentID);
249                              unset($ParentEmail);
250                              unset($ParentPhoneNumber);
251                              echo "</p>";
252                          } else {
253
254    // If student has no parent, display the message below.
255                              echo "<p>Your student does not have a parent assigned to
       them. You may inform them of this.</p>";
256                          }
257
258    // Current student information no longer required in loading the page so it can be
       erased.
259                          unset($StudentFirstName);
260                          unset($StudentSurname);
261                          unset($StudentID);
262                          unset($StudentForm);
263                          unset($StudentEmail);
264                          unset($StudentPhoneNumber);
265                          echo "<hr />";
266                      }
267                  } else {
268
269    // If no student was found, display the message below.
270                      echo "<p>No student found in the database. Please search for your
       student using the 'Search contact' link or add them if they have requested you.</p>";
271                  }
272              } else {
273
274    // If the query fails, display the message below.
275              echo "<p>No student found in the database. Please search for your
       student using the 'Search contact' link or add them if they have requested you.</p>";
276              echo "<hr />";
277          }
278      break;
279  }
280
281  // Requests for current user. SQL statement searches RequestTable matching the
```

6

```php
      requested user properties.
282   $requestedsql = "SELECT RequesterUserType, RequesterUserID FROM RequestTable WHERE
      RequestedUserType = $UserType AND RequestedUserID = $UserID";
283   $requestedquery = mysql_query($requestedsql);
284   if ($requestedquery) {
285       for ($requestno = 1; $requestno <=  ($requestedarray = mysql_fetch_array(
      $requestedquery)); $requestno++ ) {
286             $RequesterUserType = $requestedarray[0];
287             $RequesterUserID = $requestedarray[1];
288
289   // Different requesters will have different code to be executed.
290
291   // If the requester is a student:
292             if ($RequesterUserType == 1) {
293                 $studentsql = "SELECT StudentFirstName, StudentSurname, StudentForm FROM
      StudentTable WHERE StudentID = $RequesterUserID";
294                 $studentquery = mysql_query($studentsql);
295                 if ($studentquery) {
296                     if ($studentarray = mysql_fetch_array($studentquery)) {
297                         $RequesterUserFirstName = $studentarray[0];
298                         $RequesterUserSurname = $studentarray[1];
299                         $StudentForm = $studentarray[2];
300                         $requesteddetaildisplay = 1;
301                     } else {
302                         $requesteddetaildisplay = 0;
303                     }
304                 } else {
305                     $requesteddetaildisplay = 0;
306                 }
307
308   // If the requester is a parent:
309             } else if ($RequesterUserType == 2) {
310                 $parentsql = "SELECT ParentFirstName, ParentSurname FROM ParentTable
      WHERE ParentID = $RequesterUserID";
311                 $parentquery = mysql_query($parentsql);
312                 if ($parentquery) {
313                     if ($parentarray = mysql_fetch_array($parentquery)) {
314                         $RequesterUserFirstName = $parentarray[0];
315                         $RequesterUserSurname = $parentarray[1];
316                         $requesteddetaildisplay = 1;
317                     } else {
318                     $requesteddetaildisplay = 0;
319                 }
320                 } else {
321                     $requesteddetaildisplay = 0;
322                 }
323
324   // If the requester is a mentor:
325             } else if ($RequesterUserType == 3) {
326                 $mentorsql = "SELECT MentorFirstName, MentorSurname FROM MentorTable
      WHERE MentorID = $RequesterUserID";
327                 $mentorquery = mysql_query($mentorsql);
328                 if ($mentorquery) {
329                     if ($mentorarray = mysql_fetch_array($mentorquery)) {
330                         $RequesterUserFirstName = $mentorarray[0];
331                         $RequesterUserSurname = $mentorarray[1];
332                         $requesteddetaildisplay = 1;
```

```php
333                } else {
334                    $requesteddetaildisplay = 0;
335                }
336            } else {
337                $requesteddetaildisplay = 0;
338            }
339        }
340
341 // Any requests found are detailed here, otherwise nothing is shown.
342        if ($requesteddetaildisplay == 1) {
343
344 // Requester name, type and students' forms are displayed. User may accept or reject
    request.
345            echo "<p>You have a request from " . "$RequesterUserFirstName " . "
    $RequesterUserSurname.</p>";
346            echo "<p>Requester user ID: " . "$RequesterUserID.</p>";
347            if ($RequesterUserType == 1) {
348                echo "<p>Requester is a student, their form is $StudentForm.</p>";
349            } else if ($RequesterUserType == 2) {
350                echo "<p>Requester is a parent.</p>";
351            } else if ($RequesterUserType == 3) {
352                echo "<p>Requester is a mentor.</p>";
353            }
354            echo "<p><a href = 'AddContactPage.php?RequesterUserType=
    $RequesterUserType&RequesterUserID=$RequesterUserID'>(Add contact)</a>";
355            echo "-----";
356            echo "<a href = 'AddRequestPage.php?RequesterUserType=$RequesterUserType
    &RequesterUserID=$RequesterUserID&action=0'>(Reject contact)</a></p>";
357        }
358    }
359    if ($requesteddetaildisplay == 1) {
360        echo "<hr />";
361    }
362 }
363
364 // Requests that the user themselves will also be displayed.
365 $requestersql = "SELECT RequestedUserType, RequestedUserID FROM RequestTable WHERE
    RequesterUserType = $UserType AND RequesterUserID = $UserID";
366 $requesterquery = mysql_query($requestersql);
367 if ($requesterquery) {
368    for ($requestno = 1; $requestno <=  ($requesterarray = mysql_fetch_array(
    $requesterquery)); $requestno++ ) {
369        $RequestedUserType = $requesterarray[0];
370        $RequestedUserID = $requesterarray[1];
371
372        if ($RequestedUserType == 1) {
373            $studentsql = "SELECT StudentFirstName, StudentSurname, StudentForm FROM
    StudentTable WHERE StudentID = $RequestedUserID";
374            $studentquery = mysql_query($studentsql);
375            if ($studentquery) {
376                if ($studentarray = mysql_fetch_array($studentquery)) {
377                    $RequestedUserFirstName = $studentarray[0];
378                    $RequestedUserSurname = $studentarray[1];
379                    $StudentForm = $studentarray[2];
380                    $requesterdetaildisplay = 1;
381                } else {
382                    $requesterdetaildisplay = 0;
```

```php
383                        }
384                    } else {
385                        $requesterdetaildisplay = 0;
386                    }
387                } else if ($RequestedUserType == 2) {
388                    $parentsql = "SELECT ParentFirstName, ParentSurname FROM ParentTable
    WHERE ParentID = $RequestedUserID";
389                    $parentquery = mysql_query($parentsql);
390                    if ($parentquery) {
391                        if ($parentarray = mysql_fetch_array($parentquery)) {
392                            $RequestedUserFirstName = $parentarray[0];
393                            $RequestedUserSurname = $parentarray[1];
394                            $requesterdetaildisplay = 1;
395                        } else {
396                            $requesterdetaildisplay = 0;
397                        }
398                    } else {
399                        $requesterdetaildisplay = 0;
400                    }
401                } else if ($RequestedUserType == 3) {
402                    $mentorsql = "SELECT MentorFirstName, MentorSurname FROM MentorTable
    WHERE MentorID = $RequestedUserID";
403                    $mentorquery = mysql_query($mentorsql);
404                    if ($mentorquery) {
405                        if ($mentorarray = mysql_fetch_array($mentorquery)) {
406                            $RequestedUserFirstName = $mentorarray[0];
407                            $RequestedUserSurname = $mentorarray[1];
408                            $requesterdetaildisplay = 1;
409                        } else {
410                            $requesterdetaildisplay = 0;
411                        }
412                    } else {
413                        $requesterdetaildisplay = 0;
414                    }
415                }
416                if ($requesterdetaildisplay == 1) {
417
418 // Requested user's name and ID are shown. Requested student's form group is also
    displayed.
419                    echo "<p>You have requested the user " . "$RequestedUserFirstName " . "
    $RequestedUserSurname.</p>";
420                    echo "<p>Requested user ID: " . "$RequestedUserID.</p>";
421                    if ($RequestedUserType == 1) {
422                        echo "<p>Requested user is a student, their form is $StudentForm
    .</p>";
423                    } else if ($RequestedUserType == 2) {
424                        echo "<p>Requested user is a parent.</p>";
425                    } else if ($RequestedUserType == 3) {
426                        echo "<p>Requested user is a mentor.</p>";
427                    }
428                    echo "<p><a href = 'AddRequestPage.php?RequestedUserType=
    $RequestedUserType&RequestedUserID=$RequestedUserID&action=2'>(Cancel
    request)</a></p>";
429                } else {
430                    $requesterdetaildisplay = 0;
431                }
432            }
```

```php
433        if ($requesterdetaildisplay == 1) {
434            echo "<hr />";
435        }
436    }
437
438    // Deleting contacts. A separate page was unnecessary. The contacts section is not
       as significant as the meetings section.
439    if (isset($_GET['deleteuserid']) && (isset($_GET['deleteusertype']) && isset($_GET[
       'StudentID']) ) ) {
440        $deleteuserid = $_GET['deleteuserid'];
441        $deleteusertype = $_GET['deleteusertype'];
442        $StudentID = $_GET['StudentID'];
443
444    // Queries are executed to verify that the user to delete from is the current user.
445        $confirmsql1 = "SELECT * FROM StudentTable WHERE StudentID = $StudentID AND ";
446        if ($deleteusertype == 2) {
447            $confirmsql2 = "ParentID = $deleteuserid";
448        } else if ($deleteusertype == 3) {
449            $confirmsql2 = "MentorID = $deleteuserid";
450        }
451        $confirmsql = $confirmsql1 . $confirmsql2;
452        $confirmquery = mysql_query($confirmsql);
453        if ($confirmarray = mysql_fetch_array($confirmquery)) {
454            $deletesql1 = "UPDATE StudentTable SET ";
455            if ($deleteusertype == 2) {
456                $deletesql2 = "ParentID";
457            } else if ($deleteusertype == 3) {
458                $deletesql2 = "MentorID";
459            }
460            $deletesql3 = " = NULL WHERE StudentID = $StudentID";
461            $deletesql = $deletesql1 . $deletesql2 . $deletesql3;
462            $deletequery = mysql_query($deletesql);
463            header("location:ViewContactPage.php");
464        } else {
465            header("location:ViewContactPage.php");
466        }
467    }
468
469
470
471    echo "<p><a href = 'SearchContactPage.php'>Search contact</a><br/></p>";
472
473    echo "<p><a href = 'LoggedInPage.php'>Go to main page</a></p>";
474
475    ?>
476
477    </body>
478    </html>
479
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Search contact</title>
6   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8   <?php
9   session_start();
10  require('DatabaseConnectPage.php');
11  ?>
12
13  </head>
14
15  <body>
16
17  <?php
18
19  // Set user variables.
20  $UserType = $_SESSION['UserType'];
21  $UserID = $_SESSION['UserID'];
22
23  // Reset variables not yet used.
24  $RequestedUserFirstName = '';
25  $RequestedUserSurname =  '';
26  $RequestedUserID = 0;
27  $RequestedUserType = 0;
28  $StudentForm = '';
29  $firstnamefind = 0;
30  $surnamefind = 0;
31  $idfind = 0;
32  $dosearch = 1;
33
34  echo "<h1>Search contact</h1>";
35
36  // Checks which users a student already has.
37  if ($UserType == 1) {
38      $otherusersql = "SELECT ParentID, MentorID FROM StudentTable WHERE StudentID =
    $UserID";
39      $otheruserquery = mysql_query($otherusersql);
40      if ($otheruserquery) {
41          $otheruserarray = mysql_fetch_array($otheruserquery);
42          if ($otheruserarray[0] != '' && ($otheruserarray[0] >=1 && $otheruserarray[0]
     <= 999) && ($otheruserarray[0] == floor($otheruserarray[0]))) {
43              $parentexists = 1;
44          } else {
45              $parentexists = 0;
46          }
47          if ($otheruserarray[1] != '' && ($otheruserarray[1] >=1 && $otheruserarray[1]
     <= 999) && ($otheruserarray[1] == floor($otheruserarray[1]))) {
48              $mentorexists = 1;
49          } else {
50              $mentorexists = 0;
51          }
52          if ($parentexists == 1 && $mentorexists == 1) {
53              $dosearch = 0;
```

1

```php
54              } else {
55                  $dosearch = 1;
56              }
57          }
58      }
59
60      // If the user is a student and has both a parent and a mentor assigned to them,
        only display a message and a hyperlink to the previous page, otherwise continue below.
61      if ($UserType == 1 && $dosearch == 0) {
62          echo "<p>You already have a parent and a mentor assigned to you. You may only
        have one parent and one mentor at any one time. Please delete your parent/mentor
        association if you wish to add a new contact.</p>";
63      } else {
64
65      // Students may only search for parents or mentors of the user type they are not
        connected with.
66          if ($UserType == 1) {
67              echo "<p>Search a ";
68              if (!$parentexists) {
69                  echo "parent ";
70                  if (!$mentorexists) {
71                      echo "or mentor";
72                  }
73              } else if (!$mentorexists) {
74                  echo "mentor";
75              }
76              echo "</p>";
77          } else if ($UserType == 2 || $UserType == 3) {
78              echo "<p>Search a student</p>";
79          }
80
81      // Students may have either a parent or a mentor to search, but that is the only
        major distinction.
82          if ($UserType == 1) {
83              echo "<form action = 'SearchContactPage.php?RequestedUserFirstName=
        $RequestedUserFirstName&RequestedUserSurname=$RequestedUserSurname&RequestedUserID=
        $RequestedUserID&RequestedUserType=$RequestedUserType&firstnamefind=$firstnamefind
        &surnamefind=$surnamefind&idfind=$idfind' method = 'get'>";
84
85      // Parents and mentors may only search students, but students have a form group.
86          } else if ($UserType == 2 || $UserType == 3) {
87              echo "<form action = 'SearchContactPage.php?RequestedUserFirstName=
        $RequestedUserFirstName&RequestedUserSurname=$RequestedUserSurname&RequestedUserID=
        $RequestedUserID&StudentForm=$StudentForm&RequestedUserType=$RequestedUserType
        &firstnamefind=$firstnamefind&surnamefind=$surnamefind&idfind=$idfind' method =
        'get'>";
88          }
89
90      // Display menu.
91          echo "<table>";
92          echo "<tr>";
93          echo "<td>";
94
95      // First name may be searched using text forming the beginning of the name, the end
        of the name or in part of the name. Default selection is that the name contains what
        is input.
96          echo "<p>First Name:</p>";
```

2

```php
 97        echo "<p>Begins with:<input type='radio' name='firstnamefind' value=1></input>
      <br />";
 98        echo "Ends with:<input type='radio' name='firstnamefind' value=2></input><br />";
 99        echo "Contains:<input type='radio' name='firstnamefind' value=3
      checked='checked'></input></p>";
100        echo "<input type = 'text' name = 'RequestedUserFirstName' id =
      'RequestedUserFirstName' maxlength = '15'>";
101        echo "</input>";
102        echo "</td>";
103        echo "<td>";
104
105 // Surname may be searched using text forming the beginning of the name, the end of
      the name or in part of the name. Default selection is that the name contains what is
      input.
106        echo "<p>Surname:</p>";
107        echo "<p>Begins with:<input type='radio' name='surnamefind' value=1></input> <br
      />";
108        echo "Ends with:<input type='radio' name='surnamefind' value=2></input> <br />";
109        echo "Contains:<input type='radio' name='surnamefind' value=3
      checked='checked'></input></p>";
110        echo "<input type = 'text' name = 'RequestedUserSurname' id =
      'RequestedUserSurname' maxlength = '20'>";
111        echo "</input>";
112        echo "</td>";
113        echo "<td>";
114
115 // ID is searched either exactly matching the input ID or any number containing the
      ID (default).
116        echo "<p>ID:</p>";
117        echo "<p>Is exactly:<input type='radio' name='idfind' value=1></input><br />";
118        echo "Contains:<input type='radio' name='idfind' value=2
      checked='checked'></input></p> ";
119        echo "<p><input type = 'int' name = 'RequestedUserID' id = 'RequestedUserID'
      size = '3' maxlength = '3' ></p>";
120        echo "</td>";
121        echo "</tr>";
122        echo "</table><p>";
123
124 // If the user is a student, enable them to search set user types.
125        if ($UserType == 1) {
126            if ($parentexists && (!($mentorexists))) {
127                echo "<input type = 'hidden' name = 'RequestedUserType' value =
      3></input>";
128            } else if ((!($parentexists)) && $mentorexists) {
129                echo "<input type = 'hidden' name = 'RequestedUserType' value =
      2></input>";
130            } else if (!($parentexists) && (!($mentorexists))) {
131                echo "<input type='radio' name='RequestedUserType'
      value=2>Parent</input>";
132                echo "<input type='radio' name='RequestedUserType'
      value=3>Mentor</input>";
133            }
134            echo "</p>";
135
136 // Parents and mentors have similar searches for students. They may search for
      students in specific forms.
137        } else if ($UserType == 2 || $UserType == 3) {
```

3

```php
138          echo "Student form: ";
139          echo "<input type = 'hidden' name = 'RequestedUserType' value = 1></input>";
140          $studentformsql = "SELECT DISTINCT StudentForm FROM StudentTable";
141          $studentformquery = mysql_query($studentformsql);
142          echo "<select name = 'StudentForm'>";
143          echo "<option></option>";
144          for ($formno = 1; $formno <= ($studentformarray = mysql_fetch_array(
     $studentformquery)); $formno++) {
145              echo "<option>$studentformarray[0]</option>";
146          }
147          echo "</select></p>";
148      }
149    echo "<input name = 'submit' type = 'submit' id='submit' >";
150    echo "</form><br />";
151
152 // Once the details are input, retrieve the information.
153      if (isset($_GET['RequestedUserType'])) {
154          $RequestedUserType = $_GET['RequestedUserType'];
155
156 // Some fields may be left blank. If so, they will be ignored in the search. If all
     fields are blank then search all entries (students will only appear if they do not
     already have the same type of user as the user searching for them).
157          if (isset($_GET['RequestedUserFirstName'])) {
158              $RequestedUserFirstName = $_GET['RequestedUserFirstName'];
159          } else {
160              $RequestedUserFirstName = '';
161          }
162          if (isset($_GET['RequestedUserSurname'])) {
163              $RequestedUserSurname = $_GET['RequestedUserSurname'];
164          } else {
165              $RequestedUserSurname = '';
166          }
167          if (isset($_GET['RequestedUserID'])) {
168              $RequestedUserID = $_GET['RequestedUserID'];
169          } else {
170              $RequestedUserID = '';
171          }
172          if ($UserType == 2 || $UserType == 3) {
173              if (isset($_GET['StudentForm'])) {
174                  $StudentForm = $_GET['StudentForm'];
175              } else {
176                  $StudentForm = '';
177              }
178          }
179          $firstnamefind = $_GET['firstnamefind'];
180          $surnamefind = $_GET['surnamefind'];
181          $idfind = $_GET['idfind'];
182          switch ($RequestedUserType) {
183
184 // Searching a student.
185              case 1:
186                  if ($UserType == 2 || $UserType == 3) {
187                      $studentsql1 = "SELECT StudentFirstName, StudentSurname,
     StudentID, StudentForm, ParentID, MentorID FROM StudentTable WHERE StudentFirstName
     LIKE ";
188                      if ($firstnamefind == 1) {
189                          $studentsql2 = "'$RequestedUserFirstName%'";
```

4

```php
190                    } else if ($firstnamefind == 2) {
191                        $studentsql2 = "'%$RequestedUserFirstName'";
192                    } else if ($firstnamefind == 3) {
193                        $studentsql2 = "'%$RequestedUserFirstName%'";
194                    }
195                    $studentsql3 = "AND StudentSurname LIKE ";
196                    if ($surnamefind == 1) {
197                        $studentsql4 = "'$RequestedUserSurname%' ";
198                    } else if ($surnamefind == 2) {
199                        $studentsql4 = "'%$RequestedUserSurname' ";
200                    } else if ($surnamefind == 3) {
201                        $studentsql4 = "'%$RequestedUserSurname%' ";
202                    }
203                    $studentsql5 = "AND StudentID LIKE ";
204                    if ($idfind == 1) {
205                        $studentsql6 = "'$RequestedUserID'";
206                    } else if ($idfind == 2) {
207                        $studentsql6 = "'%$RequestedUserID%' ";
208                    }
209                    if ($StudentForm == '') {
210                        $studentsql7 = "";
211                    } else {
212                        $studentsql7 = "AND StudentForm = '$StudentForm' ";
213                    }
214                    if ($UserType == 2) {
215                        $studentsql8 = "AND ParentID IS NULL";
216                    } else if ($UserType == 3) {
217                        $studentsql8 = "AND MentorID IS NULL";
218                    }
219                    $studentsql = $studentsql1 . $studentsql2 . $studentsql3 .
       $studentsql4 . $studentsql5 . $studentsql6 . $studentsql7 . $studentsql8;
220                    $studentqueryvalidation = mysql_query($studentsql);
221                    if ($studentqueryvalidation) {
222                        $studentquery = mysql_query($studentsql);
223                        $studentarray = mysql_fetch_array($studentqueryvalidation);
224                        if ($studentarray) {
225                            echo "<table border = '5px'>";
226                            echo "<tr> <td><p>Student first name</p></td>
       <td><p>Student surname</p></td> <td><p>Student ID</p></td> <td><p>Student
       form</p></td> <td></td> </tr>";
227                            for ($studentno = 1; $studentno <= ($studentarray =
       mysql_fetch_array($studentquery)); $studentno++) {
228                                echo "<tr> <td><p>$studentarray[0]</p></td> <td><p>
       $studentarray[1]</p></td> <td><p>$studentarray[2]</p></td> <td><p>$studentarray
       [3]</p></td> <td><p><a href = 'AddRequestPage.php?RequestedUserID=$studentarray
       [2]&RequestedUserType=$RequestedUserType&action=1'>Add request</a></p></td> </tr>";
229                            }
230                            echo "</table>";
231                        } else {
232                            echo "<p>Query found no results. Please alter your
       search</p>";
233                        }
234                    } else {
235                        echo "<p>Query not searched. Check your input details.</p>";
236                    }
237                }
238            break;
```

```php
239
240    // Searching for a parent.
241              case 2:
242                if ($UserType == 1) {
243                    $parentsql1 = "SELECT ParentTable.ParentFirstName,
       ParentTable.ParentSurname, ParentTable.ParentID FROM ParentTable WHERE
       ParentTable.ParentFirstName LIKE";
244                    if ($firstnamefind == 1) {
245                        $parentsql2 = "'$RequestedUserFirstName%'";
246                    } else if ($firstnamefind == 2) {
247                        $parentsql2 = "'%$RequestedUserFirstName'";
248                    } else if ($firstnamefind == 3) {
249                        $parentsql2 = "'%$RequestedUserFirstName%'";
250                    }
251                    $parentsql3 = "AND ParentTable.ParentSurname LIKE ";
252                    if ($surnamefind == 1) {
253                        $parentsql4 = "'$RequestedUserSurname%' ";
254                    } else if ($surnamefind == 2) {
255                        $parentsql4 = "'%$RequestedUserSurname' ";
256                    } else if ($surnamefind == 3) {
257                        $parentsql4 = "'%$RequestedUserSurname%' ";
258                    }
259                    $parentsql5 = "AND ParentTable.ParentID LIKE ";
260                    if ($idfind == 1) {
261                        $parentsql6 = "'$RequestedUserID' ";
262                    } else if ($idfind == 2) {
263                        $parentsql6 = "'%$RequestedUserID%' ";
264                    }
265                    $parentsql = $parentsql1 . $parentsql2 . $parentsql3 .
       $parentsql4 . $parentsql5 . $parentsql6;
266                    $parentqueryvalidation = mysql_query($parentsql);
267                    if ($parentqueryvalidation) {
268                        $parentquery = mysql_query($parentsql);
269                        $parentarray = mysql_fetch_array($parentqueryvalidation);
270                        if ($parentarray) {
271                            echo "<table border = '5px'>";
272                            echo "<tr> <td><p>Parent first name</p></td>
       <td><p>Parent surname</p></td> <td><p>Parent ID</p></td> <td></td> </tr>";
273                            for ($parentno = 1; $parentno <= ($parentarray =
       mysql_fetch_array($parentquery)); $parentno++) {
274                                echo "<tr> <td><p>$parentarray[0]</p></td> <td><p>
       $parentarray[1]</p></td> <td><p>$parentarray[2]</p></td> <td><p><a href =
       'AddRequestPage.php?RequestedUserID=$parentarray[2]&RequestedUserType=
       $RequestedUserType&action=1'>Add request</a></p></td> </tr>";
275                            }
276                            echo "</table>";
277                        } else {
278                            echo "<p>Query found no results. Please alter your
       search.</p>";
279                        }
280                    } else {
281                        echo "<p>Query not searched. Check your input details.</p>";
282                    }
283                }
284              break;
285
286    // Searching a mentor.
```

```php
287                case 3:
288                    if ($UserType == 1) {
289                        $mentorsql1 = "SELECT MentorTable.MentorFirstName,
       MentorTable.MentorSurname, MentorTable.MentorID FROM MentorTable WHERE
       MentorTable.MentorFirstName LIKE";
290                        if ($firstnamefind == 1) {
291                            $mentorsql2 = "'$RequestedUserFirstName%'";
292                        } else if ($firstnamefind == 2) {
293                            $mentorsql2 = "'%$RequestedUserFirstName'";
294                        } else if ($firstnamefind == 3) {
295                            $mentorsql2 = "'%$RequestedUserFirstName%'";
296                        }
297                        $mentorsql3 = "AND MentorTable.MentorSurname LIKE ";
298                        if ($surnamefind == 1) {
299                            $mentorsql4 = "'$RequestedUserSurname%' ";
300                        } else if ($surnamefind == 2) {
301                            $mentorsql4 = "'%$RequestedUserSurname' ";
302                        } else if ($surnamefind == 3) {
303                            $mentorsql4 = "'%$RequestedUserSurname%' ";
304                        }
305                        $mentorsql5 = "AND MentorTable.MentorID LIKE ";
306                        if ($idfind == 1) {
307                            $mentorsql6 = "'$RequestedUserID' ";
308                        } else if ($idfind == 2) {
309                            $mentorsql6 = "'%$RequestedUserID%' ";
310                        }
311                        $mentorsql = $mentorsql1 . $mentorsql2 . $mentorsql3 .
       $mentorsql4 . $mentorsql5 . $mentorsql6;
312                        $mentorqueryvalidation = mysql_query($mentorsql);
313                        if ($mentorqueryvalidation) {
314                            $mentorquery = mysql_query($mentorsql);
315                            $mentorarray = mysql_fetch_array($mentorqueryvalidation);
316                            if ($mentorarray) {
317                                echo "<table border = '5px'>";
318                                echo "<tr> <td><p>Mentor first name</p></td>
       <td><p>Mentor surname</p></td> <td><p>Mentor ID</p></td> <td></td> </tr>";
319                                for ($mentorno = 1; $mentorno <= ($mentorarray =
       mysql_fetch_array($mentorquery)); $mentorno++) {
320                                    echo "<tr> <td><p>$mentorarray[0]</p></td> <td><p>
       $mentorarray[1]</p></td> <td><p>$mentorarray[2]</p></td> <td><a href =
       'AddRequestPage.php?RequestedUserID=$mentorarray[2]&RequestedUserType=
       $RequestedUserType&action=1'>Add request</a></p></td> </tr>";
321                                }
322                                echo "</table>";
323                            } else {
324                                echo "<p>Query found no results. Please alter your
       search.</p>";
325                            }
326                        } else {
327                            echo "<p>Query not searched. Check your input details.</p>";
328                        }
329                    }
330                break;
331            }
332        } else {
333
334    // This message is displayed when the search has not been executed.
```

```php
335            echo "<p>Please select your search criteria. By default, if no fields have
       entered data all of the possible users are displayed.</p>";
336        }
337    }
338    echo "<p><a href = 'ViewContactPage.php'>View contacts</a></p>";
339    echo "<br />";
340
341    ?>
342
343    </body>
344    </html>
345
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Processing...</title>
6   <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8   <?php
9
10  session_start();
11  require('DatabaseConnectPage.php');
12
13  ?>
14
15  </head>
16
17  <body>
18
19  <?php
20
21  // Like many other pages, this page uses different actions. The action is retrieved.
22  $action = $_GET['action'];
23
24  // action values 1 and 2 are for when the current user made a request.
25  if ($action == 1 || $action == 2) {
26      $RequesterUserType = $_SESSION['UserType'];
27      $RequesterUserID = $_SESSION['UserID'];
28      $RequestedUserType = $_GET['RequestedUserType'];
29      $RequestedUserID = $_GET['RequestedUserID'];
30
31  // action value 0 is when the current user was requested by another user.
32  } else if ($action == 0) {
33      $RequestedUserType = $_SESSION['UserType'];
34      $RequestedUserID = $_SESSION['UserID'];
35      $RequesterUserType = $_GET['RequesterUserType'];
36      $RequesterUserID = $_GET['RequesterUserID'];
37  }
38
39  // Action to take when current user has just made a request for another user. This
    requires a check to see if the student involved already has a parent/mentor. This is
    necessary to prevent requests from being made after a student has a connection with
    a user of that user type.
40  if ($action == 1) {
41      if ($RequesterUserType == 1 && $RequestedUserType == 2) {
42          $confirmsql = "SELECT * FROM StudentTable WHERE StudentID = $RequesterUserID
    AND ParentID IS NULL";
43      } else if ($RequesterUserType == 2 && $RequestedUserType == 1) {
44          $confirmsql = "SELECT * FROM StudentTable WHERE StudentID = $RequestedUserID
    AND ParentID IS NULL";
45      } else if ($RequesterUserType == 1 && $RequestedUserType == 3) {
46          $confirmsql = "SELECT * FROM StudentTable WHERE StudentID = $RequesterUserID
    AND MentorID IS NULL";
47      } else if ($RequesterUserType == 3 && $RequestedUserType == 1) {
48          $confirmsql = "SELECT * FROM StudentTable WHERE StudentID = $RequestedUserID
    AND MentorID IS NULL";
49      }
```

```php
50
51    // SQL query formed and executed.
52        $confirmquery = mysql_query($confirmsql);
53        $confirmarray = mysql_fetch_array($confirmquery);
54        if ($confirmquery) {
55            if ($confirmarray) {
56
57    // Checks to see if existing request to be made already exists.
58                $checkexistingsql = "SELECT * FROM RequestTable WHERE RequestedUserType
      = '$RequestedUserType' AND RequestedUserID = '$RequestedUserID' AND
      RequesterUserType = '$RequesterUserType' AND RequesterUserID = '$RequesterUserID'";
59                $checkexistingquery = mysql_query($checkexistingsql);
60                if ($checkexistingquery) {
61                    if ($checkexistingarray = mysql_fetch_array($checkexistingquery)) {
62
63    // No changes are made and user is redirected back to ViewContactPage if ssame
      request already made.
64                        header('location:ViewContactPage.php');
65                    } else {
66
67    // If no request exists, create the request and redirect the user to ViewContactPage.
68                        $addsql = "INSERT INTO RequestTable (RequesterUserType,
      RequesterUserID, RequestedUserType, RequestedUserID) VALUES ('$RequesterUserType', '
      $RequesterUserID', '$RequestedUserType', '$RequestedUserID')";
69                        $addquery = mysql_query($addsql);
70                        header('location:ViewContactPage.php');
71                    }
72                } else {
73                    header('location:ViewContactPage.php');
74                }
75            } else {
76                header('location:ViewContactPage.php');
77            }
78        }
79
80    // For cancelling a request which the current user made.
81    } else if ($action == 2) {
82
83    // Removing the request for a parent/mentor.
84        if ($RequesterUserType == 1) {
85            $removerequestsql = "DELETE FROM RequestTable WHERE RequesterUserType = 1
      AND RequesterUserID = $RequesterUserID AND RequestedUserType = $RequestedUserType
      AND RequestedUserID = $RequestedUserID";
86            $removequery = mysql_query($removerequestsql);
87            header('location:ViewContactPage.php');
88
89    // Removing the request for a student.
90        } else if ($RequesterUserType == 2 || $RequesterUserType == 3) {
91            $removerequestsql = "DELETE FROM RequestTable WHERE RequestedUserType = 1
      AND RequestedUserID = $RequestedUserID AND RequesterUserType = $RequesterUserType
      AND RequesterUserID = $RequesterUserID";
92            $removequery = mysql_query($removerequestsql);
93            header('location:ViewContactPage.php');
94        }
95
96    // For rejecting a request another user made for them.
97    } else if ($action == 0) {
```

```php
 98
 99    // For rejecting a parent/mentor request.
100        if ($RequestedUserType == 1) {
101            $removerequestsql = "DELETE FROM RequestTable WHERE RequestedUserType = 1
       AND RequestedUserID = $RequestedUserID AND RequesterUserType = $RequesterUserType
       AND RequesterUserID = $RequesterUserID";
102            $removequery = mysql_query($removerequestsql);
103            header('location:ViewContactPage.php');
104
105    // For rejecting a student request.
106        } else if ($RequestedUserType == 2 || $RequestedUserType == 3) {
107            $removerequestsql = "DELETE FROM RequestTable WHERE  RequesterUserType = 1
       AND RequesterUserID = $RequesterUserID AND RequestedUserType = $RequestedUserType
       AND RequestedUserID = $RequestedUserID";
108            $removequery = mysql_query($removerequestsql);
109            header('location:ViewContactPage.php');
110        }
111    } else {
112
113    // If no action specified, the user must still be able to navigate to discover the
       error.
114        header('location:ViewContactPage.php');
115    }
116
117    ?>
118    </body>
119    </html>
120
```

```php
1    <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
     http://www.w3.org/TR/html4/loose.dtd">
2    <html>
3    <head>
4    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5    <title>Processing...</title>
6    <link rel = "stylesheet" href = "stylesheet.css" type = "text/css" >
7
8    <?php
9
10   session_start();
11   require('DatabaseConnectPage.php');
12
13   ?>
14
15   </head>
16
17   <body>
18
19   <?php
20
21   // For accepting a request only, no action variable is required.
22
23   // Get current user's type and ID.
24   $RequestedUserType = $_SESSION['UserType'];
25   $RequestedUserID = $_SESSION['UserID'];
26
27   // Get requester's type and ID.
28   $RequesterUserType = $_GET['RequesterUserType'];
29   $RequesterUserID = $_GET['RequesterUserID'];
30
31   // Check if request still exists in table.
32   $requestsql = "SELECT * FROM RequestTable WHERE RequesterUserType =
     $RequesterUserType AND RequesterUserID = $RequesterUserID AND RequestedUserType =
     $RequestedUserType AND RequestedUserID = $RequestedUserID";
33   $requestquery = mysql_query($requestsql);
34   if ($requestquery) {
35       $requestarray = mysql_fetch_array($requestquery);
36       if ($requestarray){
37
38   // If current user is a parent, insert parent's ID into requesting student's entry.
39           if ($RequestedUserType == 2) {
40               $addsql = "UPDATE StudentTable SET ParentID = $RequestedUserID WHERE
     StudentID = $RequesterUserID";
41               $addquery = mysql_query($addsql);
42
43   // If current user is a mentor, insert mentor's ID into requesting student's entry.
44           } else if ($RequestedUserType == 3) {
45               $addsql = "UPDATE StudentTable SET MentorID = $RequestedUserID WHERE
     StudentID = $RequesterUserID";
46               $addquery = mysql_query($addsql);
47
48   // If current user is a student, insert requester's ID into student's requester user
     type's entry.
49           } else if ($RequestedUserType == 1) {
50               $addsql1 = "UPDATE StudentTable SET ";
51               if ($RequesterUserType == 2) {
```

1

```php
52              $addsql2 = "ParentID ";
53          } else if ($RequesterUserType == 3) {
54              $addsql2 = "MentorID ";
55          }
56          $addsql3 = "= $RequesterUserID WHERE StudentID = $RequestedUserID";
57          $addsql = $addsql1 . $addsql2 . $addsql3;
58          $addquery = mysql_query($addsql);;
59      }

// Remove requests for particular student's ID and any requests with other users of
the same type as the current requester. Redirect back to ViewContactPage afterwards.
62      if ($RequestedUserType == 1) {
63          $removerequestsql1 = "DELETE FROM RequestTable WHERE RequestedUserType =
1 AND RequestedUserID = $RequestedUserID AND RequesterUserType = $RequesterUserType";
64          $removequery1 = mysql_query($removerequestsql1);
65          $removerequestsql2 = "DELETE FROM RequestTable WHERE RequesterUserType =
1 AND RequesterUserID = $RequestedUserID AND RequestedUserType = $RequesterUserType";
66          $removequery2 = mysql_query($removerequestsql2);
67          header('location: ViewContactPage.php');
68      } else if ($RequestedUserType == 2 || $RequestedUserType == 3) {
69          $removerequestsql1 = "DELETE FROM RequestTable WHERE RequesterUserType =
1 AND RequesterUserID = $RequesterUserID AND RequestedUserType = $RequestedUserType";
70          $removequery1 = mysql_query($removerequestsql1);
71          $removerequestsql2 = "DELETE FROM RequestTable WHERE RequestedUserType =
1 AND RequestedUserID = $RequesterUserID AND RequesterUserType = $RequestedUserType";
72          $removequery2 = mysql_query($removerequestsql2);
73          header('location: ViewContactPage.php');
74      }
75  } else {

// Redirect user to ViewContactPage if no request retrieved.
78      header('location: ViewContactPage.php');
79  }
80 }
81 ?>

83 </body>
84 </html>
85
```

2

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
2   "http://www.w3.org/TR/html4/loose.dtd">
3   <html>
4   <head>
5   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
6   <title>Untitled Document</title>
7   </head>
8
9   <body>
10
11  <?php
12
13  header("location:LoginPage.php");
14
15  echo "index.php";
16
17  ?>
18
19
20  </body>
21  </html>
22
```

```php
1   <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
2   <html>
3   <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5   <title>Untitled Document</title>
6   </head>
7
8   <body>
9
10  <?PHP
11
12  $DatabaseHost = "localhost";
13  $DatabaseUser = "sachasimon";
14  $DatabasePassword = "qp12zm";
15
16  $ConnectServer = mysql_connect($DatabaseHost,$DatabaseUser,$DatabasePassword);
17
18
19
20  if ($ConnectServer) {
21      }
22      else {
23      die("error - " . mysql_error());
24      echo "<br>";
25      }
26
27
28
29
30  $DatabaseName = "sachasimon";
31  mysql_select_db($DatabaseName);
32
33
34
35  ?>
36
37  </body>
38  </html>
39
```

```php
1
2   <?php
3
4   session_start();
5   $_SESSION['LoggedIn'] = false;
6   session_destroy();
7
8   ?>
9
10  <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "
    http://www.w3.org/TR/html4/loose.dtd">
11  <html>
12  <head>
13  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
14  <title>logging out...</title></title>
15  </head>
16
17  <body>
18
19  <?php
20
21  if ($_SESSION['LoggedIn'] == false) {
22      header("location:LoginPage.php");
23  } else {
24      header("location:LoggedInPage.php");
25  }
26
27  ?>
28
29  </body>
30  </html>
31
```

```
1   h1 {color: #000000; font-family: arial; font-size: 20pt}
2   he1 {color: #000000; font-family: arial; font-size: 18pt}
3   he2 {color: #FF0000; font-family: arial; font-size: 18pt; font-weight: bold}
4   p {color: #000000; font-family: arial; font-size: 12pt}
5   stfont {color: #000000; font-family: arial; font-size: 12pt}
6   option {font-size: 14pt}
7   tbfont {color: #ff0000; font-family: arial; font-size: 18pt}
```