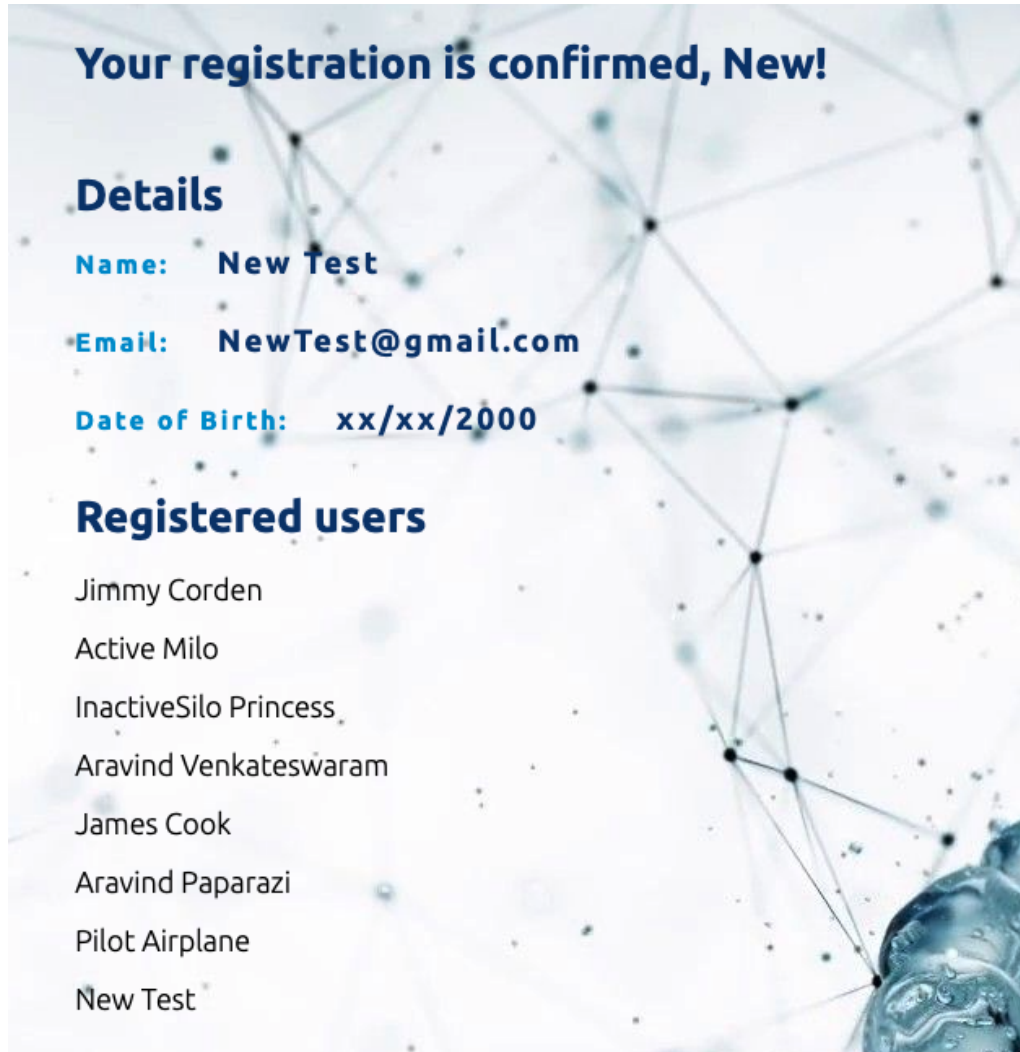


Report - PHP lab

Messages



This is the confirmation page if the user isn't in the database. The database is first checked as indicated in the code to ensure the registrant isn't banned or registered already.



New , You have previously registered!

Registered users

Jimmy Corden

Active Milo

InactiveSilo Princess

Aravind Venkateswaram

James Cook

Aravind Paparazi

Pilot Airplane

New Test

If the user is found in the database to be previously registered, checked through condition: same mail or (same first and last name), then this message is rendered.

A background image featuring a network diagram with black nodes connected by thin lines, set against a light blue and white abstract pattern.

You have been banned, Aravind!

Registered users

Jimmy Corden

Active Milo

InactiveSilo Princess

Aravind Venkateswaram

James Cook

Aravind Paparazi

Pilot Airplane

If the user is found in the database to be banned, checked through condition: same mail or (same first and last name), then this message is rendered.

Code - Registration.php

```
30 <?php
31
32 // Proceed only if form is submitted
33 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
34
35     // connect to database
36     $conn = odbc_connect('z5208102', '', '', SQL_CUR_USE_ODBC);
37     if(!$conn){exit("Connection Failed:". $conn);}
38
39     // Collect form details
40     $firstName = $_POST['firstName'];
41     $lastName = $_POST['lastName'];
42     $email = $_POST['email'];
43     $dob = $_POST['DOB'];
44     $today = date("d/m/Y");
45
46     // Check if user already in database
47     $sqlExists = "SELECT * FROM Registration WHERE (UCASE(lastName)='".strtoupper($lastName)."' AND UCASE(firstName)='".strtoupper($firstName)."' OR (UCASE(email)='".strtoupper($email)."'");
48     $exists = odbc_exec($conn,$sqlExists);
49
50     // If user exists, display appropriate message, If not add him to database and register
51     if(odbc_fetch_row($exists)){
52         $exists = odbc_exec($conn,$sqlExists);
53         while ($row = odbc_fetch_array($exists)) {
54             if($row['banned'] == 1){
55                 echo "<h2 class='article-subtitle' style='text-align: center; margin:2em auto; font-weight: bold;'>You have been banned, $firstName!</h2>";
56             }else{
57                 echo "<h2 class='article-subtitle' style='text-align: center; margin:1em auto; margin-top:2em; font-weight: bold;'>$firstName , You have previously registered!</h2>";
58             }
59             break;
60         }
61     }else{
62         // Add user to database
```

Registration.php was the only file significantly changed from the previous lab to deliver the above messages by getting submitted form data. First, it is checked if the form was submitted. If so, then it connects to database and collects form details. Since the different rendering messages depend on whether the user exists in the database, I created a query to check that. This result was used to split code into if, else conditions. If the user exists, a banned or previously registered message is displayed. If not, he is added into database and registered. If they are registered, they are inserted into the database and a confirmation message is displayed.

```

61 }else{
62     // Add user to database
63     $sqlAddNewUser = "INSERT INTO Registration (firstName, lastName, email) VALUES ('$firstName','$lastName','$email')";
64     $added = odbc_exec($conn,$sqlAddNewUser);
65     if(!$added){
66         print("Execution failed:\n");
67         print("    State: ".odbc_error($conn)."\n");
68         print("    Error: ".odbc_errormsg($conn)."\n");
69     }
70
71     // Display registration confirmation
72     $pattern='/^(0?[1-9]|1\d|2\d|3[01])\/(0?[1-9]|1[0-2])\/((19|20)\d{2})$/';
73     $success = preg_match($pattern, $dob, $match);
74     echo "<h2 class='article-subtitle' style='text-align: center; margin:1em auto; margin-top:2em; font-weight: bold;'>Your registration is confirmed, $firstName!</h2>";
75     echo '<h2 class="article-subtitle bold"; margin:auto auto; margin-bottom:1em;">Details</h2>';
76     echo "<p class='subtitle-sb removeTransform'>Name: &nbsp;&nbsp;&nbsp;&nbsp;<span class='sidebar-body'>$firstName $lastName</span></p>";
77     echo "<p class='subtitle-sb removeTransform'>Email: &nbsp;&nbsp;&nbsp;&nbsp;<span class='sidebar-body'>$email</span></p>";
78     if ($success) {
79         echo "<p style=' margin-bottom:1em;' class='subtitle-sb removeTransform'>Date of Birth: &nbsp;&nbsp;&nbsp;&nbsp;<span class='sidebar-body'>xx/xx/$match[3]</span></p>";
80     }
81 }
82
83
84
85 // Display all registrants excluding banned people
86 $sqlQueryRegistrants = "SELECT * FROM Registration WHERE banned=0;";
87 $registrants = odbc_exec($conn,$sqlQueryRegistrants);
88 echo '<h2 class="article-subtitle bold"; margin:auto auto; margin-bottom:1em;">Registered users</h2>';
89 while ($row = odbc_fetch_array($registrants)) {
90     print($row['firstName']." ".$row['lastName']);
91     echo "<br>";
92 }
93 }
94
95 ?>

```

Regardless user existence in database, I displayed all registered user names at the end.

Justification

I wanted to have the least amount of code to perform the objectives, an advice I heard in the tutorials. Hence I ended up with the idea to check for user existence in database first. I also wanted to have error messages in case code fails and had several checks for major operations as indicated by insertion query check at line 64 or connection error check at line 36.