



LAB REPORT

04

CSE416: Web Engineering Lab

Submitted To

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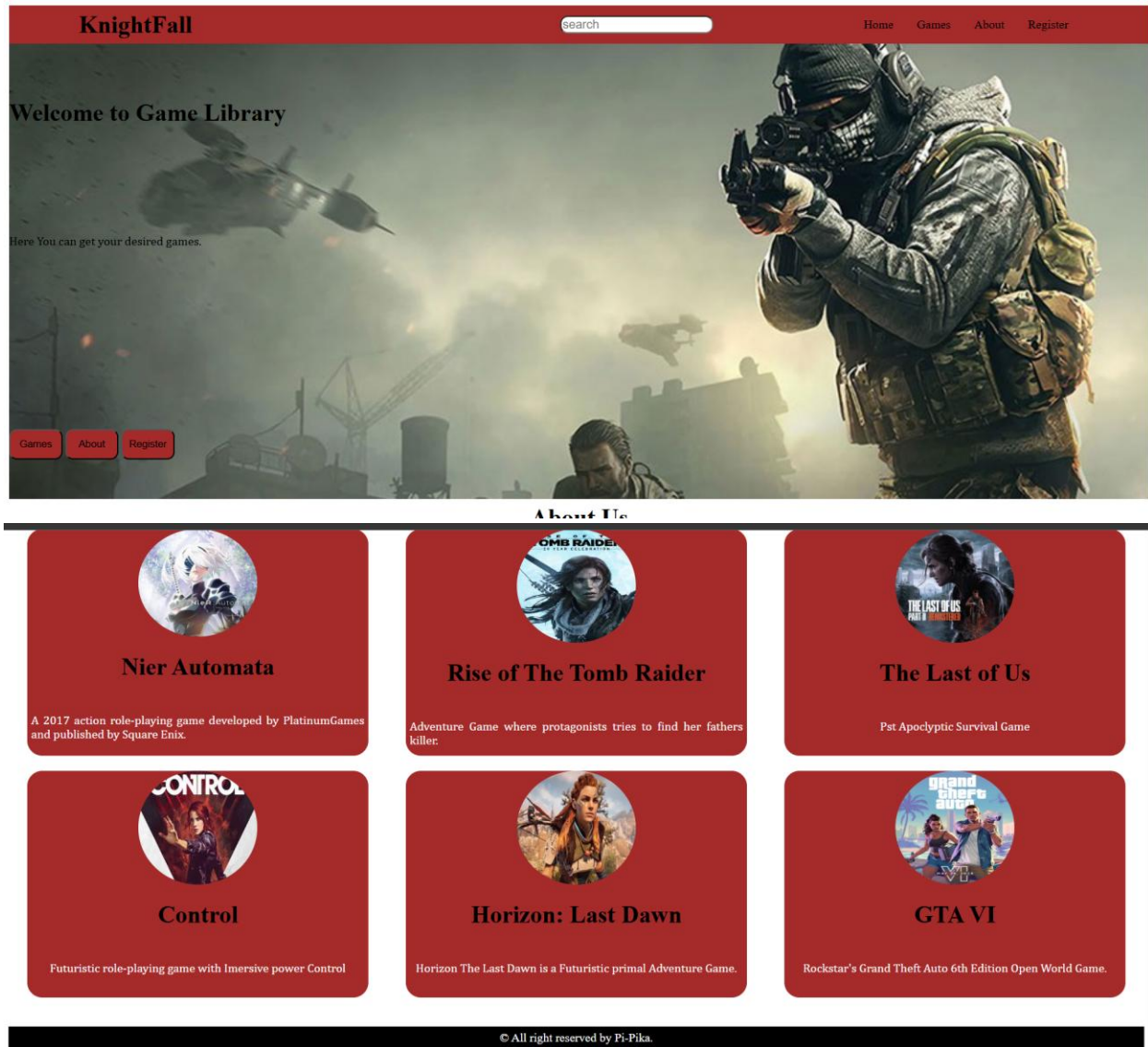
Date of Assignment Submission: 20th July, 2025

Experiment No: 04


Experiment Name: Retrieve and display data from the database on a web page.

Obtained Output:

This is a SS of the main Page.



This is the SS of Register Page.



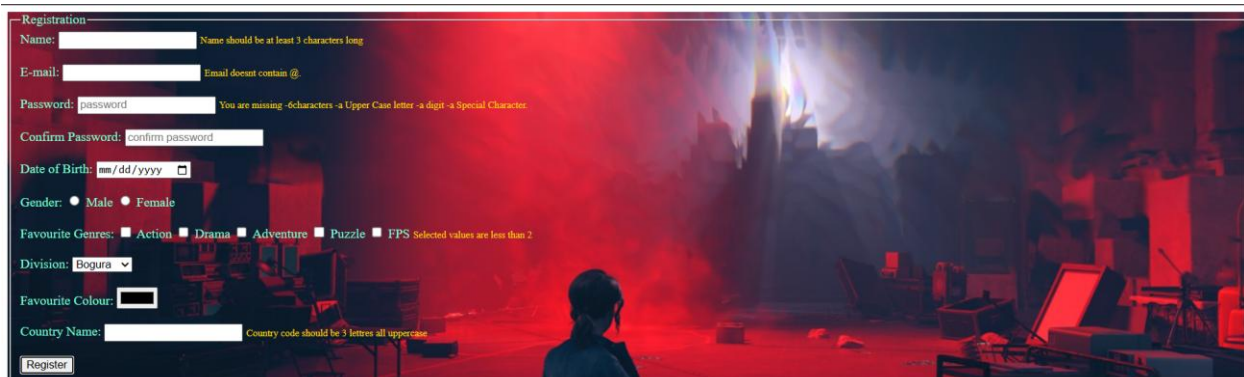
The screenshot shows a registration form on a website with a red and black background. The form fields are as follows:

- Name:
- E-mail:
- Password:
- Confirm Password:
- Date of Birth:
- Gender: ☒ Male ☐ Female
- Favourite Genres: ☒ Action ☒ Drama ☒ Adventure ☐ Puzzle ☐ FPS
- Division:
- Favourite Colour:
- Country Name:
-

After Giving Proper Information, it goes to next page.

Connection successfulConnection successful

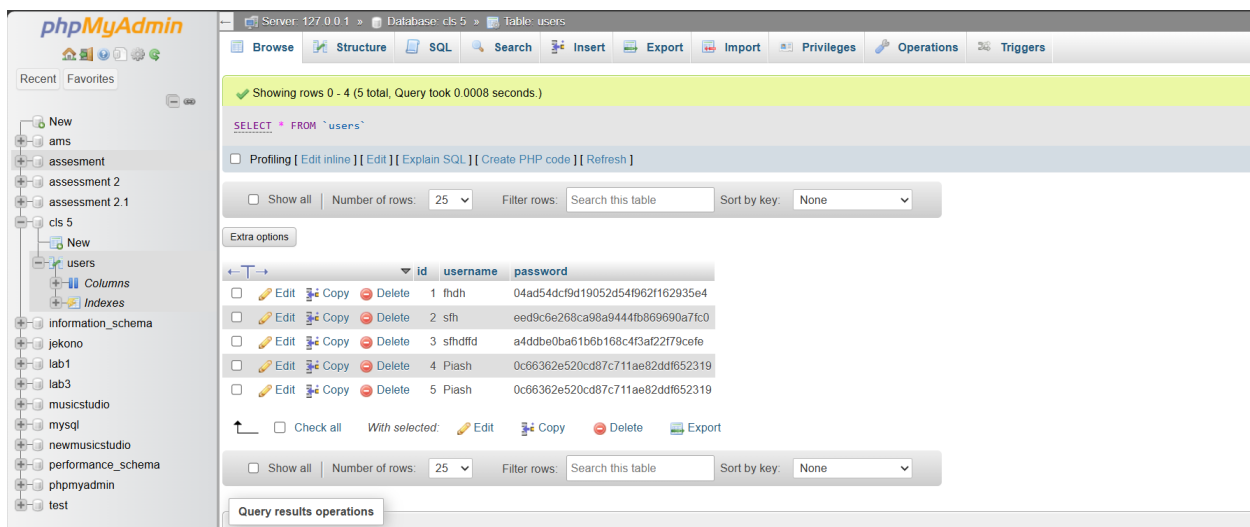
Without giving Proper Info.



The screenshot shows the same registration form as above, but with several validation errors displayed in yellow text:

- Name: Name should be at least 3 characters long
- E-mail: Email doesnt contain @
- Password: You are missing 6characters -a Upper Case letter -a digit -a Special Character
- Confirm Password:
- Date of Birth:
- Gender: ☐ Male ☐ Female
- Favourite Genres: ☐ Action ☐ Drama ☐ Adventure ☐ Puzzle ☐ FPS Selected values are less than 2
- Division:
- Favourite Colour:
- Country Name: Country code should be 3 letters all uppercase
-

Database SS.



The screenshot shows the phpMyAdmin interface for a database named 'cls_5'. The 'users' table is selected, and the following data is displayed:

id	username	password
1	fhdh	04ad54dcf9d19052d54f962f162935e4
2	sflh	eed9c6e268ca98a444fb869690a7fc0
3	sflhfd	a4ddbe0ba61b6b168c43af2f79cfe
4	Piash	0c66362e520cd87c711ae82dd652319
5	Piash	0c66362e520cd87c711ae82dd652319

Retrieving and showing Data from database

User List

Piash
Password: pass

piash
Password: 12

passs
Password: jdfka

Piash
Password: Hasan@123

© All right reserved.

The Database:

The screenshot shows the phpMyAdmin interface with the 'users' table selected. The table contains four rows of user data. The interface includes a sidebar with a database tree, a top navigation bar, and a main content area with query results and table data.

	id	username	password
<input type="checkbox"/>	133	Piash	pass
<input type="checkbox"/>	134	piash	12
<input type="checkbox"/>	135	passs	jdfka
<input type="checkbox"/>	137	Piash	Hasan@123

Source Code

Main.html

```
<? main.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Game Library</title>
7      <link rel="stylesheet" href="style.css">
8  </head>
9  <body>
10     <!-- upper part / navigation bar-->
11     <div class="nav">
12         <!-- logo -->
13         <div class="logo">
14             <h1>KnightFall</h1>
15         </div>
16         <!-- search box using form -->
17         <div class="search">
18             <form action="">
19                 <input type="text" name="" id="" placeholder="search">
20             </form>
21         </div>
22         <!-- right side pages -->
23         <div class="items">
24             <a href=""> Home </a>
25             <a href=""> Games </a>
26             <a href=""> About </a>
27             <a href="Register.html"> Register</a>
28         </div>
29     </div>
30
31     <div class="img">
32         <h1>Welcome to Game Library</h1>
33         <p>Here You can get your desired games.</p>
34         <br>
35         <div class="button">
36             <button>Games</button>
37             <button>About</button>
38             <button>Games</button>
39             <button>About</button>
40             <button onclick="Login.html">
41                 <a href="Register.html">Register</a>
42             </button>
43         </div>
44     </div>
45     <div class="au">
46         <h1><Center>About Us</Center></h1>
47         <p>This is Sa game browsing website. You can find all of the latest Games in this website. Play Games Have fun.</p>
48     </div>
49     <div class="card">
50         <div class="a">
51             <div class="x">
52                 
53                 <h1>Nier Automata</h1>
54                 <p>A 2017 action role-playing game developed by PlatinumGames and published by Square Enix.</p>
55             </div>
56             <div class="y">
57                 
58                 <h1>Rise of The Tomb Raider</h1>
59                 <p>Adventure Game where protagonists tries to find her fathers killer.</p>
60             </div>
61             <div class="z">
62                 
63                 <h1>The Last of Us</h1>
64                 <p>Pst Apocalyptic Survival Game</p>
65             </div>
66         </div>
67     </div>
68     <div class="b">
```

```

67 <div class="x">
68     
69     <h1>Control</h1>
70     <p>Futuristic role-playing game with Immersive power Control</p>
71 </div>
72 <div class="y">
73     
74     <h1>Horizon: Last Dawn</h1>
75     <p>Horizon The Last Dawn is a Futuristic primal Adventure Game.</p>
76 </div>
77 <div class="z">
78     
79     <h1>GTA VI</h1>
80     <p>Rockstar's Grand Theft Auto 6th Edition Open World Game.</p>
81 </div>
82 </div>
83 </div>
84
85
86 <br>
87 <div class="footer">
88     © All right reserved by Pi-Pika.
89 </div>
90 </body>
91 </html>

```

Register.html

```

Register.html > html > body > form.bg
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Document</title>
7     <link rel="stylesheet" href="LoginStyle.css">
8
9 </head>
10 <body>
11     <form action="login.php" autocomplete="on" class="bg" method="post">
12         <fieldset>
13             <legend>Registration</legend>
14
15             <label for="Name" >Name: </label>
16             <input type="text" id="Name" name="Name" >
17             <span id = "NameError"></span>
18             <br><br>
19
20             <label for="Email">E-mail: </label>
21             <input type="email" id="Email" name="Email">
22             <span id = "EmailError"></span>
23             <br><br>
24
25             <label for="Password">Password: </label>
26             <input type="password" id="Password" name="Password" placeholder="password">
27             <span id = "PasswordError"></span>
28             <br><br>
29
30             <label for="ConfirmPassword">Confirm Password: </label>
31             <input type="password" id="ConfirmPassword" name="ConfirmPassword" placeholder="confirm password" >
32             <span id = "ConfirmPasswordError"></span>
33             <br><br>

```

```

37 <label for="DateOfBirth">Date of Birth: </label>
38 <input type="date">
39 <br><br>
40
41 <label for="Gender">Gender: </label>
42
43 <input type="radio" id="GenderM" name="Gender" value="M">
44 <label for="GenderM">Male</label>
45
46 <input type="radio" id="GenderF" name="Gender" value="F">
47 <label for="GenderF" >Female</label>
48 <span id = "GenderError"></span>
49 <br><br>
50
51 <label for="PL">Favourite Genres: </label>
52
53 <input type="checkbox" id="FGA" name="fg" value="Action">
54 <label for="FGD" >Action</label>
55
56 <input type="checkbox" id="FGD" name="fg" value="Drama">
57 <label for="FGD" >Drama</label>
58
59 <input type="checkbox" id="FGAd" name="fg" value="Adventure">
60 <label for="FGAd" >Adventure</label>
61
62 <input type="checkbox" id="FGP" name="fg" value="Puzzle">
63 <label for="FGP" >Puzzle</label>
64
65 <input type="checkbox" id="FGF" name="fg" value="FPS">
66 <label for="FGF" >FPS</label>
67 <span id = "SelectionError"></span>
68 <br><br>

```

```

68     <br><br>
69
70     <label for="Pl">Division: </label>
71     <select name="Division" id="Division">
72         <option value="Dhaka">Dhaka</option>
73         <option value="Rajshahi">Rajshahi</option>
74         <option value="Sylhet">Sylhet</option>
75         <option value="Rangpur">Rangpur</option>
76         <option value="Khulna">Khulna</option>
77         <option value="Barisal">Barisal</option>
78         <option value="Bogura" selected>Bogura</option>
79     </select>
80
81     <br><br>
82
83     <label for="FavCol">Favourite Colour: </label>
84     <input type="color" id="FavCol" name="FavCol">
85
86     <br><br>
87
88     <label for="CountryName">Country Name: </label>
89     <input type="text" id="CountryName" name="CountryName" pattern="[A-Z]{3}">
90     <span id = "CountryError"></span>
91     <br><br>
92
93     <input type="submit" value="Register" onclick="fun()">
94 </fieldset>
95 </form>
96 <script src="Regapp.js"></script>
97 </body>
98 </html>
99

```

dbcon.php

```

login.php X dbcon.php X
dbcon.php
1  <?php
2      $host = "localhost";
3      $user = "root";
4      $password = "";
5      $db = "cls 5";
6
7      global $conn;
8      $conn = mysqli_connect($host, $user, $password, $db);
9
10     if(!$conn) {
11         echo "Connrection failed: ";
12     } else {
13         echo "Connection successful";
14     }
15     ?>

```


- Here \$host is localhost , \$user is root, \$password is empty, and \$db is "cls 5".
- Then attempting to connecting to the MySQL database using mysqli_connect() with these informations.
- Then we are checking if the connection was successful or not.

Login.php

```
Lab Report 4 > login.php
1  <?php
2      include "dbcon.php";
3
4      $un = $_POST['Name'];
5      $pass = $_POST['Password'];
6
7      $query = "INSERT INTO users(username, password) values('$un', '$pass')";
8
9      $run = mysqli_query($conn, $query);
10
11     if($run) {
12         echo "Connection successful";
13         header("Location: list.php");
14     } else {
15
16         echo "Connection failed";
17     }
18     ?>
19
```

This PHP file is for query run. Here,

- Got value of username and password from html file and stored it in \$un and \$pass.
- With \$run we are sending data to the database.
- By checking if we can see if the query is successful or failed.
- Used header to go directly to list.php to fetch data

Lab Report 4 > list.php

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>User Cards</title>
6      <link rel="stylesheet" href="style3.css">
7      <style>
8          body {
9              font-family: Arial, sans-serif;
10             background: #f2f2f2;
11             margin: 0;
12             padding: 20px;
13         }
14
15         .user-container {
16             display: flex;
17             flex-wrap: wrap;
18             gap: 20px;
19         }
20
21         .user-card {
22             background-color: #fff;
23             padding: 20px;
24             width: 200px;
25             box-shadow: 0 4px 8px rgba(0,0,0,0.1);
26             border-radius: 10px;
27         }
28
29         .user-card h3 {
30             margin: 0 0 10px;
31             font-size: 18px;
32         }
33
34         .user-card p {
35             margin: 0;
36             color: #555;
37         }
```

```

3   <head>
7       <style>
38         .footer {
39             text-align: center;
40             margin-top: 40px;
41         }
42     </style>
43 </head>
44 <body>
45     <h1>User List</h1>
46     <div class="user-container">
47         <?php
48             include "dbcon.php";
49
50             $query = "SELECT * FROM users";
51             $run = mysqli_query($conn, $query);
52
53             if(mysqli_num_rows($run) > 0) {
54                 while($row = mysqli_fetch_assoc($run)) {
55                     echo '<div class="user-card">';
56                     echo '<h1>' . $row['username'] . '</h1>';
57                     echo '<p>Password: ' . $row['password'] . '</p>';
58                     echo '</div>';
59                 }
60             } else {
61                 echo "<p>No users found.</p>";
62             }
63         ?>
64     </div>
65     <div class="footer">
66         © All right reserved.
67     </div>
68
69 </body>
70 </html>

```

Style.css

```
# style.css X
# style.css > .nav
1  /* hide the upper part */
2  *{
3      border: 0;
4      margin: 0;
5  }
6  /* -----div 1.1----- */
7  .nav{
8      height: 50px;
9      background-color: # brown;
10     display: flex;
11     justify-content: space-around;
12     align-items: center;
13 }
14
15 .logo{
16     width: 30%;
17 }
18
19 .logo h1{
20     color: black
21 }
22 /* -----div 1.2----- */
23 input{
24     border-radius: 10px;
25     font-size: 16px;
26 }
27 /* -----div 1.3----- */
28 .items{
29     width: 20%;
30     display: flex;
31     justify-content: space-around;
32 }
33
34 a{
35     color: black;
36     text-decoration: none;
37 }
```

```

39  .img{
40      height: 600px;
41      background-image: url("call.jpg");
42      background-repeat: no-repeat;
43      background-position: center;
44      background-size: cover;
45      display: flex;
46      justify-content: space-around;
47      align-items: first baseline;
48      flex-direction: column;
49  }
50
51  .img p{
52      color: black;
53      text-align: justify;
54      font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
55  }
56
57  .img button
58  {
59      height: 40px;
60      width: 70px;
61      border-radius: 10px;
62      background-color: brown;
63  }
64
65  .img button:hover
66  {
67      background-color: green;
68      color: white;
69  }

```

```

71  .au{
72      margin-top: 20px;
73      height: 60px;
74      display: flex;
75      flex-direction: column;
76      justify-content: center;
77      margin-bottom: 20px;
78  }
79
80  .au p{
81      font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
82      text-align: justify;
83  }
84  /* -----div 4----- */
85  .card{
86      margin-top: 50px;
87      margin-bottom: 20px;
88  }
89
90  .a, .b
91  {
92      margin-top: 20px;
93      height: 300px;
94      display: flex;
95      justify-content: space-around;
96      align-items: center;
97  }
98

```

```

99  .x, .y, .z
100  {
101      width: 30%;
102      height: 300px;
103      background-color: #brown;
104      border-radius: 20px;
105      display: flex;
106      flex-direction: column;
107      align-items: center;
108  }
109
110  img
111  {
112      border-radius: 50%;
113      height: 150px;
114      width: 35%;
115  }
116
117  .x h1, .y h1, .z h1
118  {
119      color: #black;
120  }
121
122  .x p, .y p, .z p
123  {
124      padding: 5px;
125      color: #white;
126      text-align: justify;
127      font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
128  }
129
130  .footer
131  {
132      height: 30px;
133      background-color: #black;
134      color: #white;
135      display: flex;
136      justify-content: center;
137      align-items: center;
138  }
139

```

LoginStyle.css

```
# style.css # LoginStyle.css X
# LoginStyle.css > .bg
1  .bg{
2      background-image: url("controlcov.jpg");
3  }
4
5
6  form {
7      width: 100%;
8  }
9
10
11  label {
12      width: 160px;
13      color: ■ aquamarine;
14  }
15
16  span {
17      color: ■ gold;
18      font-size: 12px;
19  }
20  legend{
21      color: ■ aquamarine;
22  }
23
```

Style3.css

```
Lab Report 4 > # style3.css > .footer
1      body {
2          font-family: Arial, sans-serif;
3          background: #f2f2f2;
4          margin: 0;
5          padding: 20px;
6      }
7
8      .card {
9          display: flex;
10         flex-wrap: wrap;
11         gap: 20px;
12     }
13
14     .a {
15         background-color: #fff;
16         padding: 20px;
17         width: 200px;
18         box-shadow: 0 4px 8px rgba(0,0,0,0.1);
19         border-radius: 10px;
20         height: 250px;
21         display: flex;
22         flex-direction: column;
23         justify-content: center;
24     }
25
26     .a h1 {
27         margin: 0 0 10px;
28         font-size: 18px;
29     }
30
31     .a p {
32         margin: 0;
33         color: #555;
34     }
35
36     .footer {
37         text-align: center;
38         margin-top: 40px;
39         color: white;
40         background-color: black;
41     }
```