



WEB-BASED INTERFACE DESIGN

(CSF3133)

LAB REPORT

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Date: 29/10/2025

Group: K4

Program: Computer Science (Software Engineering)

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Lab Module 2

2.3 Working with Tables

1. Basic table structure

Coding

```
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    <table>
      <tr>
        <th>Name</th>
        <th>Subject</th>
        <th>Grade</th>
      </tr>
      <tr>
        <td>John Doe</td>
        <td>Mathematics</td>
        <td>A+</td>
      </tr>
      <tr>
        <td>Jane Smith</td>
        <td>Science</td>
        <td>B</td>
      </tr>
    </table>
  </body>
</html>
```

Output

Name	Subject	Grade
John Doe	Mathematics	A+
Jane Smith	Science	B

2. Attributes in Tables

Coding

```
<table border="1">
  <tr>
    <th colspan="3">Student Information</th>
  </tr>
  <tr>
    <td rowspan="2">Name</td>
    <td>John Doe</td>
  </tr>
  <tr>
    <td colspan="2">Mathematics A+</td>
  </tr>
</table>
```

Output

Student Information	
Name	John Doe
	Mathematics A+

2.4 Creating Form

2.4.1 Basic Form Element

Coding

```
<h2>Registration Form</h2><!-- comment -->
<form action="submit_form.php" method="post">
  <label for="fname">First Name:</label><br>
  <input type="text" id="fname" name="firstname"><br>

  <label for="lname">Last Name:</label><br>
  <input type="text" id="lname" name="lastname"><br><br>

  <label for="gender">Gender:</label><br>
  <input type="radio" id="male" name="gender" value="male">
  <label for="male">Male</label><br>
  <input type="radio" id="female" name="gender" value="female">
  <label for="female">Female</label><br>
  <input type="submit" value="Submit">
</form>
```

Output

Registration Form

First Name:

Last Name:

Gender:

☐ Male

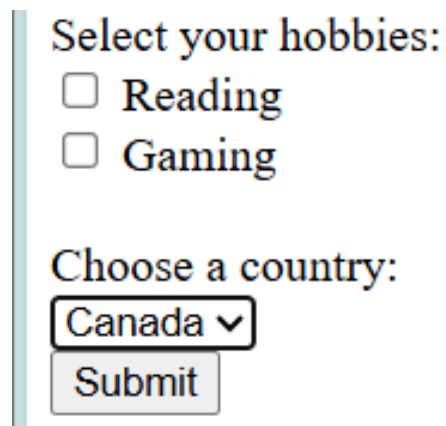
☐ Female

2.4.2 Other Registration Form

Coding

```
<form action="submit_form.php" method="post"><br>
  <label for="hobby">Select your hobbies:</label><br>
  <input type="checkbox" id="hobby1" name="hobby1" value="Reading">
  <label for="hobby1"> Reading</label><br>
  <input type="checkbox" id="hobby2" name="hobby2" value="Gaming">
  <label for="hobby"> Gaming</label><br><br>
  <label for="country">Choose a country:</label><br>
  <select id="country" name="country">
    <option value="usa">USA</option>
    <option value="canada">Canada</option>
    <option value="uk">UK</option>
  </select><br>
  <input type="submit" value="Submit">
</form>
```

Output

The screenshot shows the rendered HTML form. It has a light blue vertical bar on the left. The text "Select your hobbies:" is followed by two checkboxes, one for "Reading" and one for "Gaming". Below this, the text "Choose a country:" is followed by a dropdown menu showing "Canada" with a downward arrow. At the bottom is a "Submit" button.

Select your hobbies:

☐ Reading

☐ Gaming

Choose a country:

Canada ▼

Submit

2.5 Semantic HTML

2.5.1 Common Semantic Tags

Coding

```
<header>
  <h1>Welcome to My Web Page</h1>
</header>

<nav>
  <a href="#home">Home</a> | <a href="#about">About</a> | <a href="#contact">Contact</a>
</nav>

<section>
  <article>
    <h2>Article Tittle</h2>
    <p>This is an article about Web development.</p>
  </article>
</section>

<footer>
  <p>Copyright@2024 My Web Page</p>
</footer>
```

Output

Welcome to My Web Page

[Home](#) | [About](#) | [Contact](#)

Article Tittle

This is an article about Web development.

Copyright@2024 My Web Page

2.6 Lab Exercise

Code

```
<!DOCTYPE html>
<!--
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP\_Servlet/Html.html to edit this template
-->
<html>
  <head>
    <title>Personal Profile Page</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
      background-color: #17055e;
    }
    header, nav, section, article, footer {
      margin-bottom: 20px;
      padding: 15px;
      background-color: #fff;
      border-radius: 8px;
      box-shadow: 0 0 5px rgba(0,0,0,0.1);
    }
    table {
      width: 100%;
      border-collapse: collapse;
      margin-top: 10px;
    }
  </style>
```

```
    table, th, td {
      border: 1px solid #ccc;
    }
    th, td {
      padding: 10px;
      text-align: left;
    }
    form label {
      display: block;
      margin-top: 10px;
    }
    input[type="text"], input[type="email"] {
      width: 60%;
      padding: 5px;
    }
    input[type="submit"] {
      margin-top: 15px;
      background-color: #fa259a;
      color: white;
      border: none;
      padding: 10px 20px;
      cursor: pointer;
    }
    input[type="submit"]:hover {
      background-color: #fa259a;
    }
  </style>
</head>
```

```

<body>
  <header>
    <h1>My Personal Profile</h1>
  </header>

  <nav>
    <a href="#">Home</a> |
    <a href="#">About Me</a> |
    <a href="#">Contact</a>
  </nav>

  <section>
    <article>
      <h2>About Me</h2>
      <table>
        <tr>
          <th>Name</th>
          <td>Nur Farisha Batrisyia</td>
        </tr>
        <tr>
          <th>Age</th>
          <td>21</td>
        </tr>
        <tr>
          <th>Occupation</th>
          <td>Student</td>
        </tr>
        <tr>
          <th>Favourite Color</th>
          <td colspan="2">Blue</td>
        </tr>
      </table>
    </article>

    <article>
      <h2>User Information Form</h2>
      <form>
        <label for="name">Name:</label>
        <input type="text" id="name" name="name">

        <label for="email">Email:</label>
        <input type="email" id="email" name="email">

        <label>Gender:</label>
        <input type="radio" name="gender" value="Male"> Male
        <input type="radio" name="gender" value="Female"> Female

        <label>Favorite Hobbies:</label>
        <input type="checkbox" name="hobby" value="Reading"> Reading
        <input type="checkbox" name="hobby" value="Gaming"> Gaming
        <input type="checkbox" name="hobby" value="Traveling"> Traveling

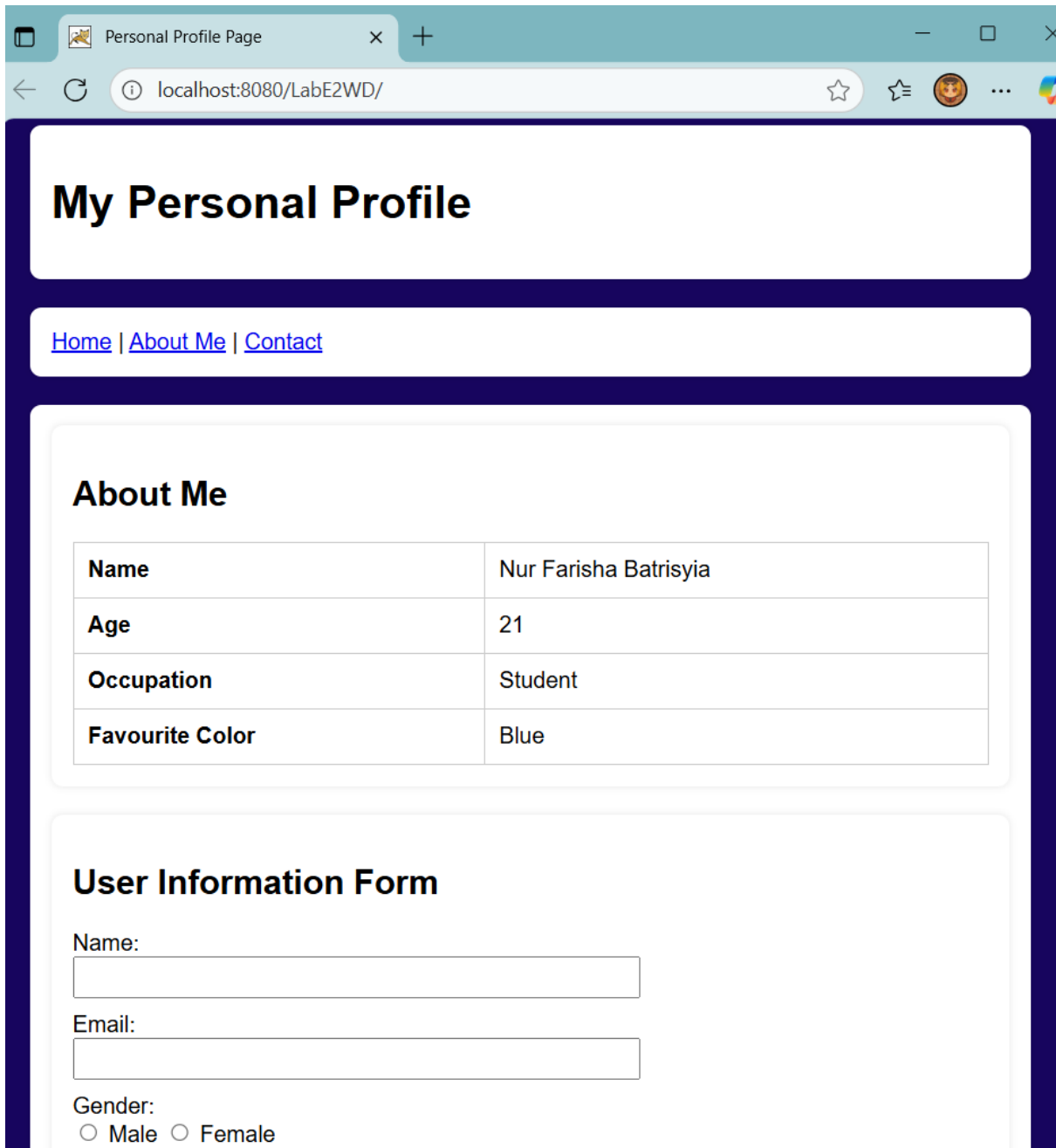
        <label for="novel">Choose a Favourite Novel:</label><br>
        <select id="novel" name="novel">
          <option value="the natural">The Natural</option>
          <option value="harry potter">Harry Potter</option>
          <option value="games untold">Games Untold</option>
          <option value="hunger games">Hunger Games</option>
        </select><br>
        <input type="submit" value="Submit">
      </form>
    </article>

```

```
<footer>
  <p>&copy; 2025 My Personal Profile Page</p>
</footer>

</body>
</html>
```

Output



The screenshot shows a web browser window with the title "Personal Profile Page". The address bar displays "localhost:8080/LabE2WD/". The page content is as follows:

My Personal Profile

[Home](#) | [About Me](#) | [Contact](#)

About Me

Name	Nur Farisha Batrisyia
Age	21
Occupation	Student
Favourite Color	Blue

User Information Form

Name:

Email:

Gender:
☐ Male ☐ Female

Favorite Hobbies:

☐ Reading ☐ Gaming ☐ Traveling

Choose a Favourite Novel:

The Natural ▼

Submit

© 2025 My Personal Profile Page