



WEB-BASED INTERFACE DESIGN

(CSF3133)

Lab Report 2

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Group: K4

Programme: Bachelor of Computer Science (Software Engineering) With Honors

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2.3 Working with Tables

1. Basic Table Structure

Code:

```
<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>
```

Output:

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

2. Attributes in Tables

Code:

```
<table border="1">
  <tr>
    <th colspan="2">Student Information</th>
  </tr>
  <tr>
    <td>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 Forms

2.4.1. Basic Form Elements

Code:

```
<h2>Registration Form</h2>
<form action="submit_form.php" method="post">
  <label for="fname">First Name:</label><br>
  <input type="text" id="fname" name="firstname"><br><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><br>
  <input type="radio" id="female" name="gender" value="female">
  <label for="female">Female</label><br><br>

  <input type="submit" value="Submit">
</form>
```

Output:

Registration Form

First Name:

Last Name:

Gender:

☐ Male

☐ Female

2.4.2. Other Form Elements

Code:

```
<form action="submit_form.php" method="post">
<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="hobby1"> Gaming</label><br>

<label for="country">Choose a country:</label>
<select id ="country" name="country">
<option value="usa">USA</option>
<option value="canada">Canada</option>
<option value="uk">UK</option>
</select><br><br>

<input type="submit" value="Submit">
</form>
```

Output:

Select your hobbies:

☐ Reading

☐ Gaming

Choose a country:

2.5 Semantic HTML

2.5.1. Common Semantic Tags

Code:

```
<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>
</body>
</html>
```

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 2

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>My Personal Profile Page</title>
</head>
<body>

<!-- 1. Create a table-->
<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 id="home">
  <h2>Personal Information</h2>

  <table border="1">
    <tr>
      <th>Name</th>
      <th>Age</th>
      <th>Occupation</th>
    </tr>
    <tr>
      <td>Fatin Nurain</td>
      <td>20</td>
      <td>Student</td>
    </tr>
    <tr>
      <td>Syazwani</td>
      <td>20</td>
      <td>Student</td>
    </tr>
    <tr>
      <td>Puteri Irene</td>
      <td>20</td>
      <td>Student</td>
    </tr>
  </table>
</section>

<!-- 2. Design a simple form-->
<section id="about">
  <h2>Registration Form</h2>

  <form action="submit_form.php" method="post">
    <label for="name">Full Name:</label><br>
    <input type="text" id="name" name="name"><br><br>

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

    <label>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><br>

    <label>Hobbies:</label><br>
    <input type="checkbox" id="photography" name="hobby" value="Photography">
    <label for="photography">Photography</label><br>
    <input type="checkbox" id="music" name="hobby" value="Music">
    <label for="music">Music</label><br>
    <input type="checkbox" id="sports" name="hobby" value="Sports">
    <label for="sports">Sports</label><br><br>

    <input type="submit" value="Submit">
  </form>
</section>

<section>
  <article>
    <h2>About This Page</h2>
    <p>This page shows how to use tables, forms, and semantic HTML tags in a simple structure.</p>
  </article>
</section>

<footer id="contact">
  <p>Contact: fatnnrain@gmail.com</p>
  <p>Copyright © 2025 My Web Page</p>
</footer>

</body>
</html>
```

Output:

Welcome to My Web Page

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

Personal Information

Name	Age	Occupation
Fatin Nurain	20	Student
Syazwani	20	Student
Puteri Ireene	20	Student

Registration Form

Full Name:

Email:

Gender:

☐ Male

☒ Female

Hobbies:

☒ Photography

☒ Music

☒ Sports

About This Page

This page shows how to use tables, forms, and semantic HTML tags in a simple structure.

Contact: fatnnrain@gmail.com

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