



**WEB-BASED INTERFACE DESIGN  
(CSF3133)**

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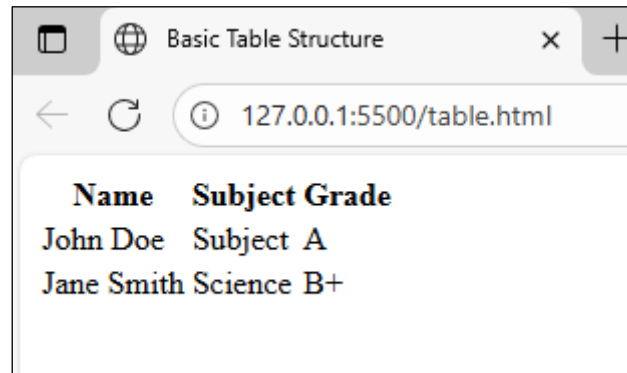
GROUP: K4

PROGRAM: COMPUTER SCIENCE (SOFTWARE ENGINEERING)

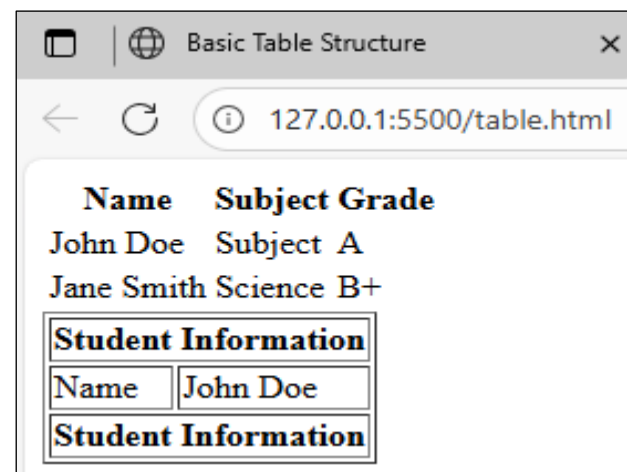
## 2.1 Objectives

1. Creating and formatting tables in HTML
2. Building interactive forms with various input types
3. Utilizing semantic HTML tags to improve the structure of your web pages

## 2.3 Working with Tables



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



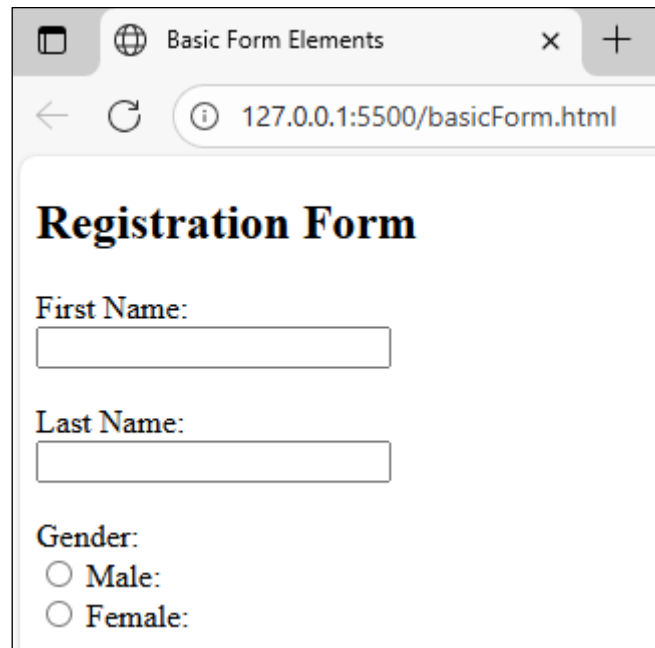
Name	Subject Grade
John Doe	Subject A
Jane Smith	Science B+

Student Information	
Name	John Doe

Student Information	
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## 2.4 Creating Forms

### 2.4.1 Basic Forms Elements



A screenshot of a web browser window titled "Basic Form Elements". The address bar shows "127.0.0.1:5500/basicForm.html". The page content is a registration form titled "Registration Form". It contains three input fields: "First Name:", "Last Name:", and "Gender:". The "Gender:" field has two radio button options: "Male:" and "Female:".

**Registration Form**

First Name:

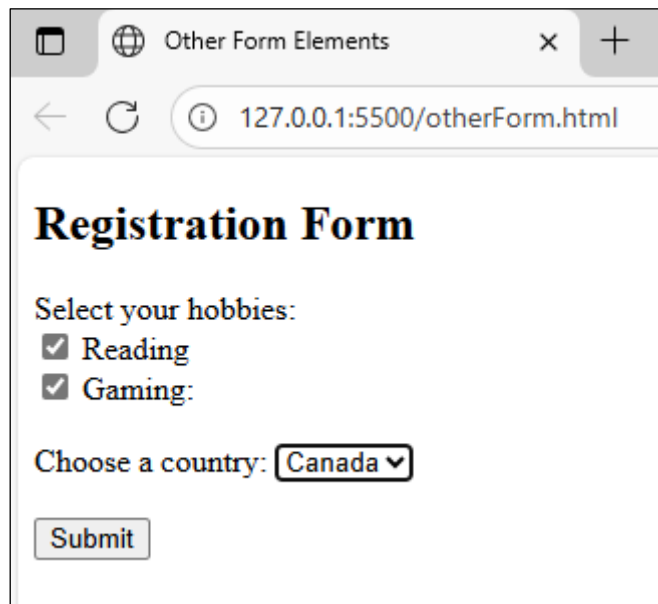
Last Name:

Gender:

☐ Male:

☐ Female:

### 2.4.2 Other Form Elements



A screenshot of a web browser window titled "Other Form Elements". The address bar shows "127.0.0.1:5500/otherForm.html". The page content is a registration form titled "Registration Form". It contains three form elements: a checkbox for "Reading", a checkbox for "Gaming", and a dropdown menu for "Choose a country:" with "Canada" selected. There is a "Submit" button at the bottom.

**Registration Form**

Select your hobbies:

☒ Reading

☒ Gaming:

Choose a country:

## 2.5 Semantic HTML

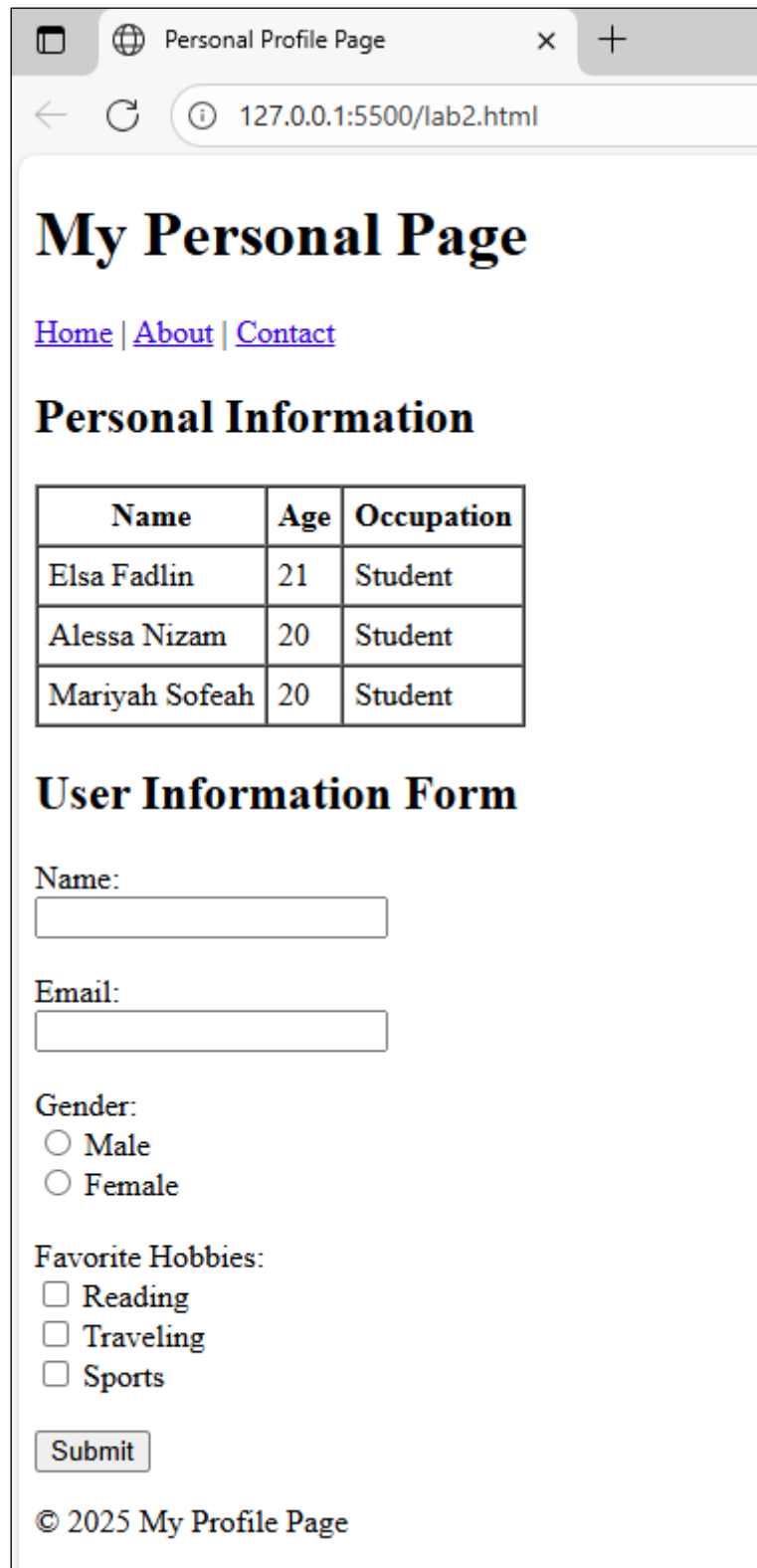
### 2.5.1 Common Semantic Tags



## 2.6 Lab Exercise 2

### 2.6.1 Building a Personal Profile Page

#### Output



Personal Profile Page

127.0.0.1:5500/lab2.html

# My Personal Page

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

## Personal Information

Name	Age	Occupation
Elsa Fadlin	21	Student
Alessa Nizam	20	Student
Mariyah Sofeah	20	Student

## User Information Form

Name:

Email:

Gender:  
☐ Male  
☐ Female

Favorite Hobbies:  
☐ Reading  
☐ Traveling  
☐ Sports

© 2025 My Profile Page

## Source Code

```
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>Personal Profile Page</title>
7  </head>
8  <body>
9
10     <header>
11         <h1>My Personal Page</h1>
12     </header>
13
14     <nav>
15         <a href="#">Home</a> |
16         <a href="#">About</a> |
17         <a href="#">Contact</a>
18     </nav>
19
20     <section>
21         <article>
22             <h2>Personal Information</h2>
23             <table border="1" cellpadding="5" cellspacing="0">
24                 <tr>
25                     <th>Name</th>
26                     <th>Age</th>
27                     <th>Occupation</th>
28                 </tr>
29                 <tr>
30                     <td>Elsa Fadlin</td>
31                     <td>21</td>
32                     <td>Student</td>
33                 </tr>
34                 <tr>
35                     <td>Alessa Nizam</td>
36                     <td>20</td>
37                     <td>Student</td>
38                 </tr>
39                 <tr>
40                     <td>Mariyah Sofeah</td>
41                     <td>20</td>
42                     <td>Student</td>
43                 </tr>
44             </table>
45
46             <h2>User Information Form</h2>
47             <form>
48                 <label for="name">Name:</label><br>
49                 <input type="text" id="name" name="name"><br><br>
50
51                 <label for="email">Email:</label><br>
52                 <input type="email" id="email" name="email"><br><br>
53
54                 <label>Gender:</label><br>
55                 <input type="radio" id="male" name="gender" value="male">
56                 <label for="male">Male</label><br>
57                 <input type="radio" id="female" name="gender" value="female">
58                 <label for="female">Female</label><br><br>
59
60                 <label>Favorite Hobbies:</label><br>
61                 <input type="checkbox" id="reading" name="hobby" value="Reading">
62                 <label for="reading">Reading</label><br>
63                 <input type="checkbox" id="traveling" name="hobby" value="Traveling">
64                 <label for="traveling">Traveling</label><br>
65                 <input type="checkbox" id="sports" name="hobby" value="Sports">
66                 <label for="sports">Sports</label><br><br>
67
68                 <input type="submit" value="Submit">
69             </form>
70         </article>
71     </section>
72
73     <footer>
74         <p>&copy; 2025 My Profile Page</p>
75     </footer>
76
77 </body>
78 </html>
```