



FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

WEB-BASED INTERFACE DESIGN

CSF3133

SEMESTER 1 SESSION 2025/2026

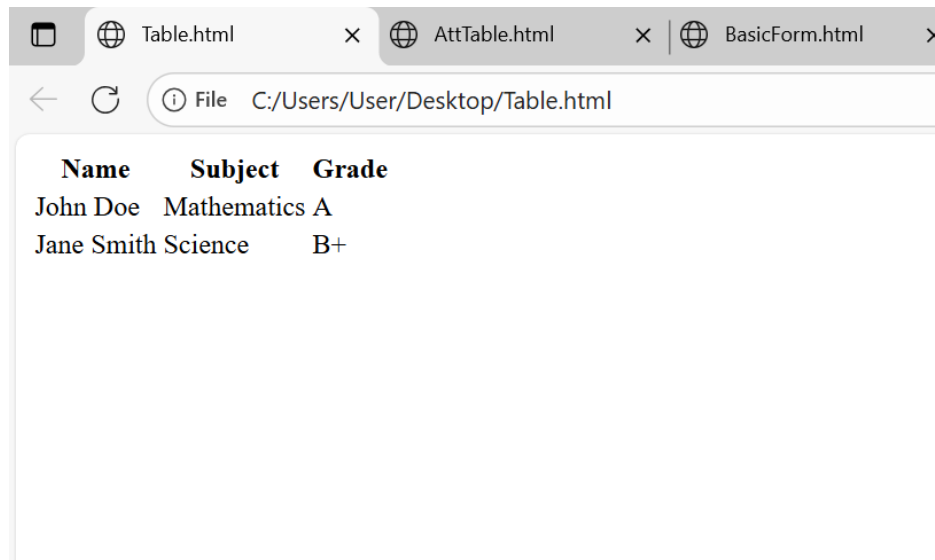
BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH
HONOURS

LAB MODULE 2

NAME	NO. MATRIC
NUR ALIYA FARHANI BINTI MOHD NASRI	S75663

2.3.1 Basic Table Structure

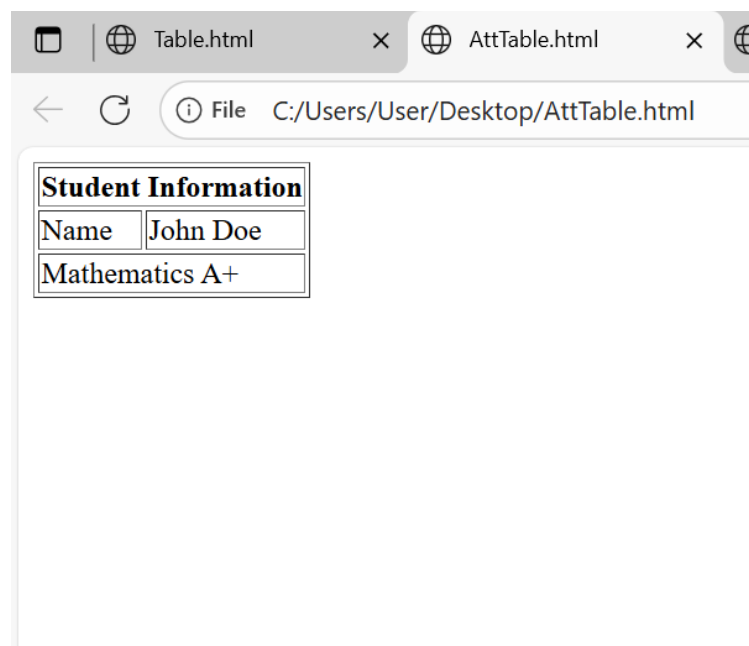
Output:



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

2.4.2 Attributes in Tables

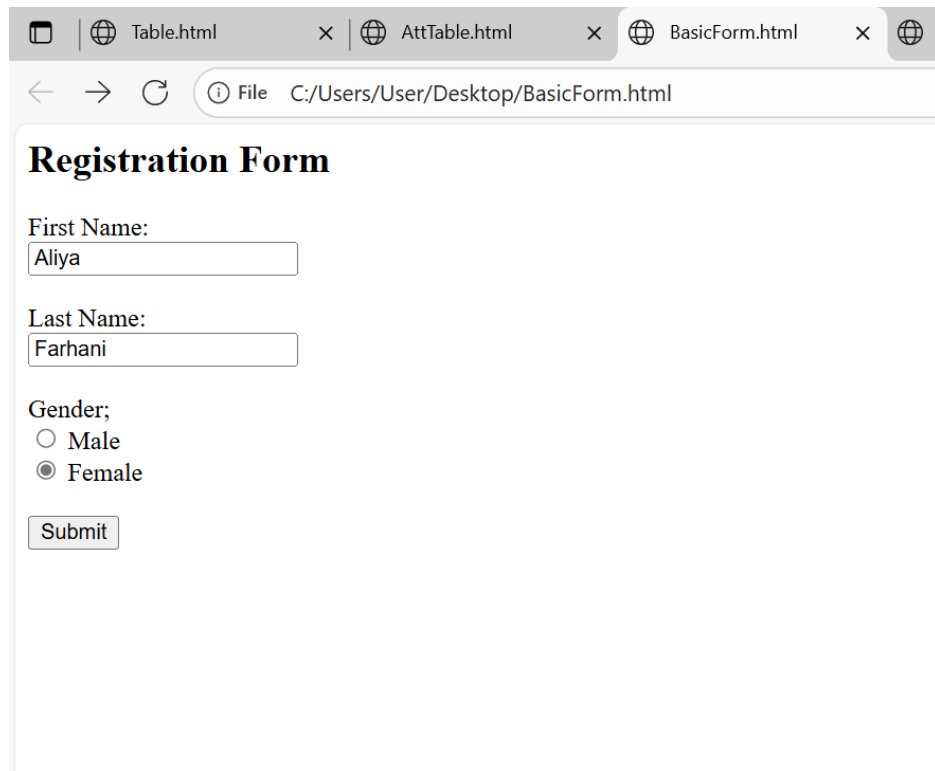
Output:



Student Information	
Name	John Doe
Mathematics	A+

2.4.1 Basic Form Elements

Output:



A screenshot of a web browser window with multiple tabs. The active tab is titled 'BasicForm.html' and shows a registration form. The browser's address bar displays the file path 'C:/Users/User/Desktop/BasicForm.html'. The form is titled 'Registration Form' and contains the following elements: a text input for 'First Name' with the value 'Aliya', a text input for 'Last Name' with the value 'Farhani', a gender selection section with radio buttons for 'Male' and 'Female' (where 'Female' is selected), and a 'Submit' button.

Table.html × AttTable.html × BasicForm.html ×

← → ↻ File C:/Users/User/Desktop/BasicForm.html

Registration Form

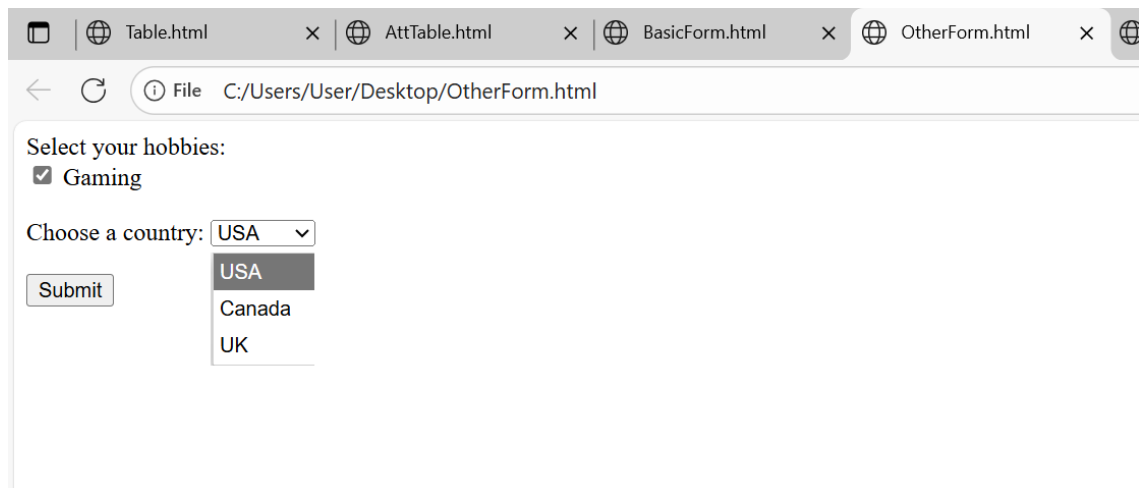
First Name:

Last Name:

Gender;
☐ Male
☒ Female

2.4.2 Other Form Elements

Output:



A screenshot of a web browser window with multiple tabs. The active tab is titled 'OtherForm.html' and shows a form. The browser's address bar displays the file path 'C:/Users/User/Desktop/OtherForm.html'. The form contains the following elements: a label 'Select your hobbies:' followed by a checked checkbox for 'Gaming', a label 'Choose a country:' followed by a dropdown menu currently showing 'USA', a 'Submit' button, and a list of country options (USA, Canada, UK) that is visible below the dropdown menu.

Table.html × AttTable.html × BasicForm.html × OtherForm.html ×

← ↻ File C:/Users/User/Desktop/OtherForm.html

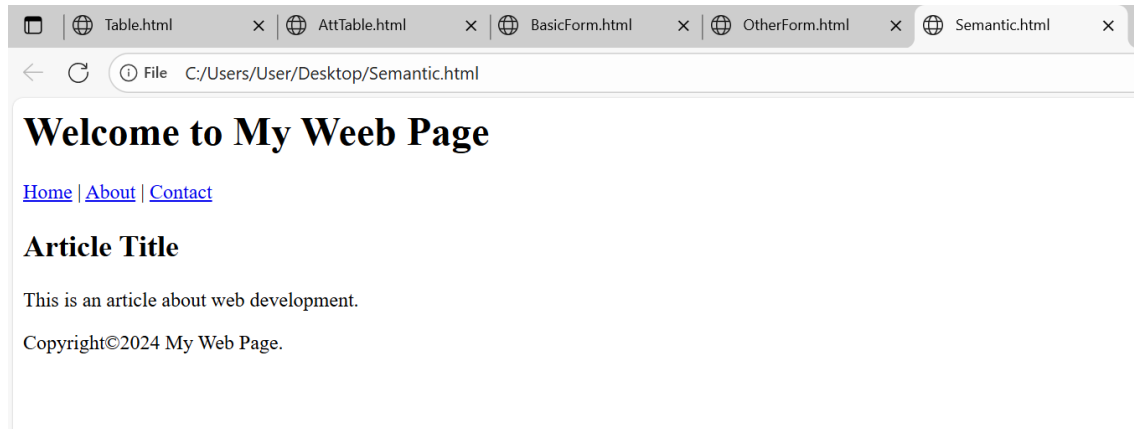
Select your hobbies:
☒ Gaming

Choose a country:

- USA
- Canada
- UK

2.5.1 Common Semantic Tags

Output:



2.6 Lab Exercise 2

Source Code:

```
C:\Users\User\Desktop\lab2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
hyperlink.html image.html TrilliumWS.html Table.html AttTable.html BasicForm.html OtherForm.html Semantic.html lab2.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>Personal Profile Page</title>
7 <style>
8     body {
9         font-family: Arial, sans-serif;
10        margin: 0;
11        background-color: #f8f9fa;
12    }
13
14    header, footer {
15        background-color: #333;
16        color: white;
17        text-align: center;
18        padding: 15px 0;
19    }
20
21    nav {
22        background-color: #444;
23        text-align: center;
24        padding: 10px 0;
25    }
26
27    nav a {
28        color: white;
29        margin: 0 15px;
30        text-decoration: none;
31    }
32
33    section {
34        padding: 20px;
35        max-width: 800px;
36        margin: auto;
37        background: white;
38        box-shadow: 0 0 10px rgba(0,0,0,0.1);
39    }
40
41    table {
42        width: 100%;
43        border-collapse: collapse;
```

```
C:\Users\User\Desktop\lab2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
hyperlink.html image.html TrilliumWB.html Table.html AttTable.html BasicForm.html OtherForm.html Semantic.html lab2.html
40
41     table {
42         width: 100%;
43         border-collapse: collapse;
44         margin-bottom: 25px;
45     }
46
47     th, td {
48         border: 1px solid #aaa;
49         padding: 10px;
50         text-align: left;
51     }
52
53     th {
54         background-color: #ddd;
55     }
56
57     form label {
58         display: block;
59         margin-top: 10px;
60     }
61
62     input[type="text"],
63     input[type="email"] {
64         width: 98%;
65         padding: 8px;
66         margin-top: 5px;
67     }
68
69     input[type="submit"] {
70         margin-top: 15px;
71         background-color: #333;
72         color: white;
73         padding: 10px 20px;
74         border: none;
75         cursor: pointer;
76     }
77
78     input[type="submit"]:hover {
79         background-color: #555;
80     }
81
82     footer {
Hyper Text Markup Language file      length : 4,473   lines : 162   Ln : 19   Col : 10   Pos : 503   Windows (CR LF)   UTF-8   INS
11:24 AM 29/10/2025
```

```
C:\Users\User\Desktop\lab2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
hyperlink.html image.html TrilliumWB.html Table.html AttTable.html BasicForm.html OtherForm.html Semantic.html lab2.html
82     footer {
83         margin-top: 20px;
84     }
85 }
86 </style>
87 </head>
88 <body>
89
90 <!-- HEADER SECTION -->
91 <header>
92     <h1>My Personal Profile Page</h1>
93 </header>
94
95 <!-- NAVIGATION BAR -->
96 <nav>
97     <a href="#profile">Profile</a>
98     <a href="#form">Contact Form</a>
99 </nav>
100
101 <!-- MAIN CONTENT SECTION -->
102 <section>
103     <article id="profile">
104         <h2>Personal Information</h2>
105         <table>
106             <tr>
107                 <th>Attribute</th>
108                 <th>Details</th>
109                 <th>Remarks</th>
110             </tr>
111             <tr>
112                 <td>Name</td>
113                 <td>Nur Aliya Farhani Binti Mohd Nasri</td>
114                 <td>Student at Universiti Malaysia Terengganu</td>
115             </tr>
116             <tr>
117                 <td>Age</td>
118                 <td>20</td>
119                 <td>Born in Kedah</td>
120             </tr>
121             <tr>
122                 <td>Occupation</td>
123                 <td>University Student</td>
124                 <td>Software Engineering Major</td>
125             </tr>
126         </table>
127     </article>
128 </section>
129
130 </body>
131 </html>
Hyper Text Markup Language file      length : 4,473   lines : 162   Ln : 19   Col : 10   Pos : 503   Windows (CR LF)   UTF-8   INS
11:24 AM 29/10/2025
```

```
C:\Users\User\Desktop\lab2.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
hyperlink.html image.html TriliumWB.html Table.html AttTable.html BasicForm.html OtherForm.html Semantic.html lab2.html
118 <td>Born in Kedah</td>
119 </tr>
120 <tr>
121 <td>Occupation</td>
122 <td>University Student</td>
123 <td>Software Engineering Major</td>
124 </tr>
125 </table>
126 </article>
127
128 <article id="form">
129 <h2>Contact Form</h2>
130 <form action="#" method="post">
131 <label for="name">Full Name:</label>
132 <input type="text" id="name" name="name" required>
133
134 <label for="email">Email Address:</label>
135 <input type="email" id="email" name="email" required>
136
137 <label>Gender:</label>
138 <input type="radio" id="male" name="gender" value="Male">
139 <label for="male">Male</label>
140 <input type="radio" id="female" name="gender" value="Female">
141 <label for="female">Female</label>
142
143 <label>Favorite Hobbies:</label>
144 <input type="checkbox" id="reading" name="hobby" value="Reading">
145 <label for="reading">Reading</label>
146 <input type="checkbox" id="music" name="hobby" value="Music">
147 <label for="music">Music</label>
148 <input type="checkbox" id="travel" name="hobby" value="Traveling">
149 <label for="travel">Traveling</label>
150 <br>
151 <input type="submit" value="Submit">
152 </form>
153 </article>
154 </section>
155
156 <!-- FOOTER SECTION -->
157 <footer>
158 <p>&copy; 2025 Aliya Farhani | All Rights Reserved</p>
159 </footer>
160
Hyper Text Markup Language file length : 4,473 lines : 162 Ln : 19 Col : 10 Pos : 503 Windows (CR LF) UTF-8 INS
11:24 AM 29/10/2025
```

Output:

