



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

(FSKTM)

SEMESTER I 2024/2025

WEB DEVELOPMENT

BIC 21203

SECTION 04

LAB ASSIGNMENT 03

TITLE

CASCADING STYLE SHEET

LECTURER

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1. The Code

i. index.html

```
File Edit Selection View ... LAB3
index.html X biodata.html campuslife.html hobbies.html # style.css
index.html > 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>Document</title>
7   <link rel="stylesheet" href="style.css">
8
9
10  <style>
11    * {
12      margin: 0px;
13      padding: 0px;
14      box-sizing: border-box;
15    }
16
17    .container{
18      display: flex;
19      flex-direction: column;
20      min-height: 400px;
21      width: 100%;
22    }
23
24
25
26
27
28
29
30
31
32
33    .logo img {
34      width: 100%;
35      height: auto;
36      object-fit: contain;
37    }
38
39    .navigation {
40      display: flex;
41      flex-direction: row;
42      min-height: 20px;
43      width: 100%;
44      background-color: rgb(110, 64, 153);
45      margin-top: 10px;
46      justify-content: space-between;
47    }
48
49    .navigation a {
50      text-decoration: none;
51      color: whitesmoke;
52      font-family: Arial, Helvetica, sans-serif;
53      font-weight: bold;
54      font-size: 25px;
55      font-display: center;
56      flex-direction: row;
57    }
58
59    .content{
60      display: flex;
61      flex-direction: row;
62      min-height: 300px;
63      width: 100%;
64      margin-top: 10px;
65      justify-content: space-between;
66    }
67
```

```

99     body{
100         background-color: azure;
101     }
102
103     .navigation a:hover {
104         text-decoration: underline;
105     }
106
107 </style>
108 </head>
109 <body>
110     <div class="container">
111         <div class="logo">
112             
113         </div>
114
115         <div class="navigation">
116             <a href="index.html">Home</a> |
117             <a href="biodata.html">Biodata</a> |
118             <a href="hobbies.html">Hobbies</a> |
119             <a href="campuslife.html">Campus Life</a>
120         </div>
121
122     <section id="Home">
123         
124     </section>
125
126     <div class="footer">
127         &copy 2024 Tuan Khalidah Syazwana. All rights reserved.
128     </div>
129
130 </div>
131 </body>
132 </html>

```

ii. biodata.html

```

File Edit Selection View ... LAB3
index.html biodata.html x campuslife.html hobbies.html # style.css
biodata.html > html > body > header > h1
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>My Biodata</title>
7     <link rel="stylesheet" href="style.css">
8
9 <style>
10     /* General Page Styling */
11     body {
12         background-color: rgba(140, 0, 179, 0.15);
13         font-family: Arial, sans-serif;
14         color: #333;
15     }
16
17     /* Header and Navigation Styling */
18     header {
19         text-align: center;
20         padding: 10px;
21     }
22
23

```

```

52     header h1 {
53         color: #c29ec2;
54     }
55
56     h2{
57         color: #4d004d;
58         text-align: center;
59         padding: 20px;
60     }
61
62     section {
63         background-image: url(bg1.jpg);
64     }
65
66     nav a:hover {
67         text-decoration: underline;
68     }
69
70     header {
71         text-align: center;
72         color: #5f3a7a;
73     }

```

```

75     /* Table Styling */
76     table {
77         width: 100%;
78         border-collapse: collapse;
79         margin: 20px auto;
80         max-width: 800px;
81         box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
82     }
83
84     table, th, td {
85         border: 2px solid rgb(56, 46, 64);
86     }
87
88     th, td {
89         padding: 12px;
90         text-align: left;
91     }
92
93     tr:nth-child(even) {background-color: #dcd2e5;}
94     tr:nth-child(odd) {background-color: #e5c0e4;}
95     tr:hover {background-color: rgb(166, 216, 129);}

```

```

97     /* Image Styling */
98     img.center {
99         display: block;
100         margin: auto;
101         border-radius: 8px;
102         box-shadow: 0 0 10px rgba(0, 0, 0, 0.15);
103     }
104
105     /* Link Styling */
106     a {
107         color: #8C00B3;
108         text-decoration: none;
109         font-weight: bold;
110     }

```

```

120 </style>
121 </head>
122 <body>
123     <header>
124         <h1>°°°°°°°°°° Biodata °°°°°°°°°°</h1>
125         <nav>
126             <ul>
127                 <li><a href="index.html">Home</a></li>
128                 <li><a class="active" href="biodata.html">Biodata</a></li>
129                 <li><a href="campuslife.html">Campus Life</a></li>
130                 <li><a href="hobbies.html">Hobbies</a></li>
131             </ul>
132         </nav>
133     </header>
134     <section>
135         <h2>Wana's Biodata</h2>
136         <table>
137             <tr>
138                 <td>Name</td>
139                 <td><b>Tuan Khalidah Syazwana Binti Tuan Mohd Kasmawi</b></td>
140                 <td></td>
141             </tr>

```

```

143     <tr>
144         <td>Date Of Birth</td>
145         <td><b>May 12, 2003</b></td>
146     </tr>
147
148     <tr>
149         <td>Religion</td>
150         <td><b>Islam</b></td>
151     </tr>
152
153     <tr>
154         <td>Race</td>
155         <td><b>Malay</b></td>
156     </tr>
157
158     <tr>
159         <td rowspan="4">Address</td>
160         <td>Street</td>
161         <td><b>Kampung Banggol Donas</b></td>
162     </tr>

```

```

164     <tr>
165         <td>Town</td>
166         <td><b>Manir</b></td>
167     </tr>
168
169     <tr>
170         <td>District</td>
171         <td><b>Kuala Terengganu</b></td>
172     </tr>
173
174     <tr>
175         <td>State</td>
176         <td><b>Terengganu Darul Iman</b></td>
177     </tr>
178
179     <tr>
180         <td rowspan="3">Contact</td>
181         <td>Mobile Phone</td>
182         <td><b>011-1298 5712</b></td>
183     </tr>

```

```

185     <tr>
186         <td>Social Media</td>
187         <td><b><a href="https://www.instagram.com/kha_syaaa/profilecard/?igsh=Z2MybWR5Z2l0ZjM0">My Instagram</a></b></td>
188     </tr>
189
190     <tr>
191         <td>Website</td>
192         <td><b><a href="https://wanai220118.github.io/Lab_2/">Github</a></b></td>
193     </tr>
194
195     <tr>
196         <td>Course and Institution</td>
197         <td><b>Software Engineering and UTHM</b></td>
198     </tr>
199
200     <tr>
201         <td>Programming Skills</td>
202         <td><b>Java, C, HTML, C#, CSS, Phython</b></td>
203     </tr>

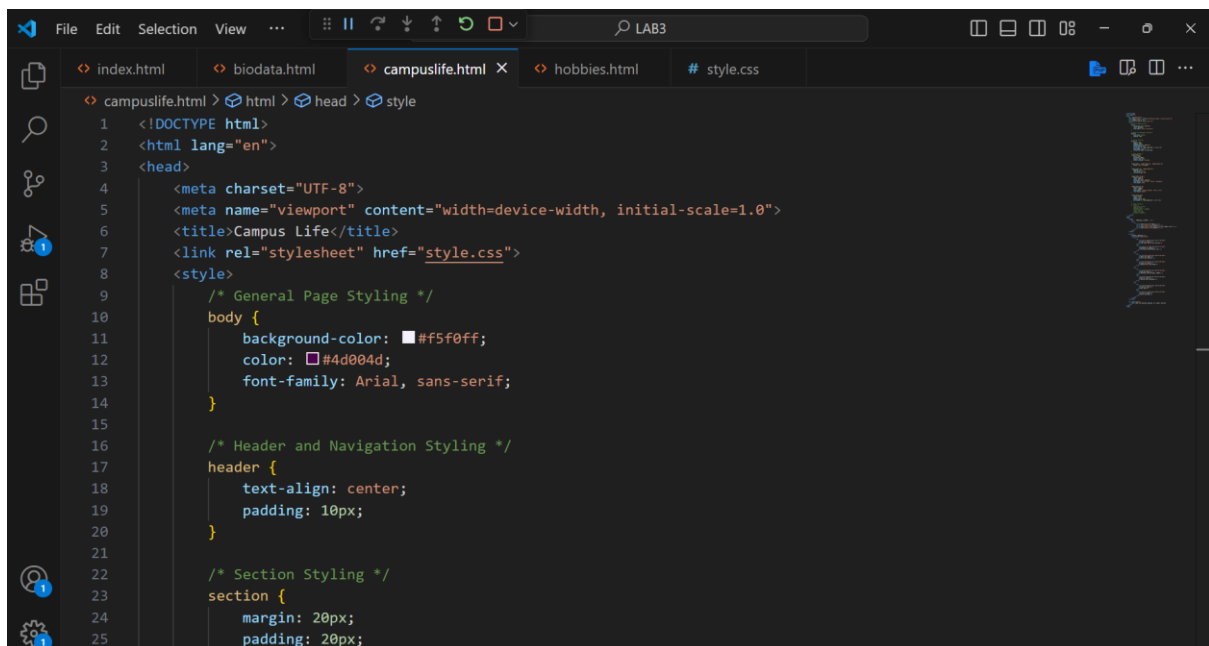
```

```

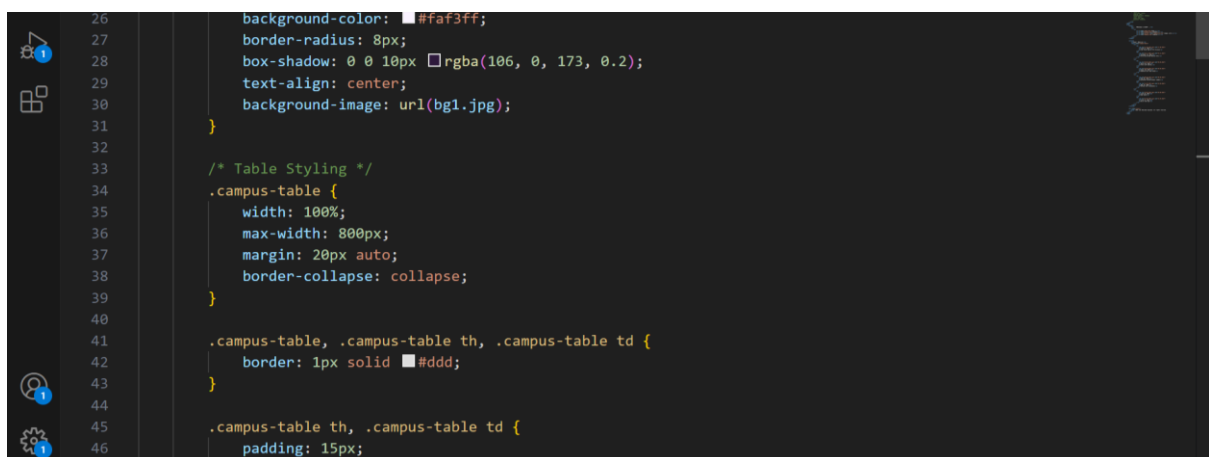
205     <tr>
206         <td>Personal Interest</td>
207         <td><b>As a software engineering student, I'm passionate about problem-solving and innovation. I enjoy</b></td>
208     </tr>
209
210     <tr>
211         <td>Future Plan in 2025</td>
212         <td><b>Having a lot of good times with my family :)</b></td>
213     </tr>
214 </table>
215 </section>
216
217 <div class="footer">
218     &copy; 2024 Tuan Khalidah Syazwana. All rights reserved.
219 </div>
220 </body>
221 </html>

```

iii. campuslife.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>Campus Life</title>
7   <link rel="stylesheet" href="style.css">
8   <style>
9     /* General Page Styling */
10    body {
11      background-color: #f5f0ff;
12      color: #4d004d;
13      font-family: Arial, sans-serif;
14    }
15
16    /* Header and Navigation Styling */
17    header {
18      text-align: center;
19      padding: 10px;
20    }
21
22    /* Section Styling */
23    section {
24      margin: 20px;
25      padding: 20px;
```



```
26      background-color: #faf3ff;
27      border-radius: 8px;
28      box-shadow: 0 0 10px rgba(106, 0, 173, 0.2);
29      text-align: center;
30      background-image: url(bg1.jpg);
31    }
32
33    /* Table Styling */
34    .campus-table {
35      width: 100%;
36      max-width: 800px;
37      margin: 20px auto;
38      border-collapse: collapse;
39    }
40
41    .campus-table, .campus-table th, .campus-table td {
42      border: 1px solid #ddd;
43    }
44
45    .campus-table th, .campus-table td {
46      padding: 15px;
```



```
47      text-align: center;
48      vertical-align: top;
49    }
50
51    .campus-table td p1 {
52      margin: 10px 0;
53      color: #e1cde1;
54      background-color: #4d004d;
55      font-family: 'Courier New', Courier, monospace;
56      font-weight: bold;
57    }
58
59    .campus-table td p {
60      margin: 10px 0;
61      color: 4d004d;
62      font-family: 'Times New Roman', Times, serif;
63      font-weight: lighter;
64    }
65
66    .campus-table img {
67      width: 350px;
```

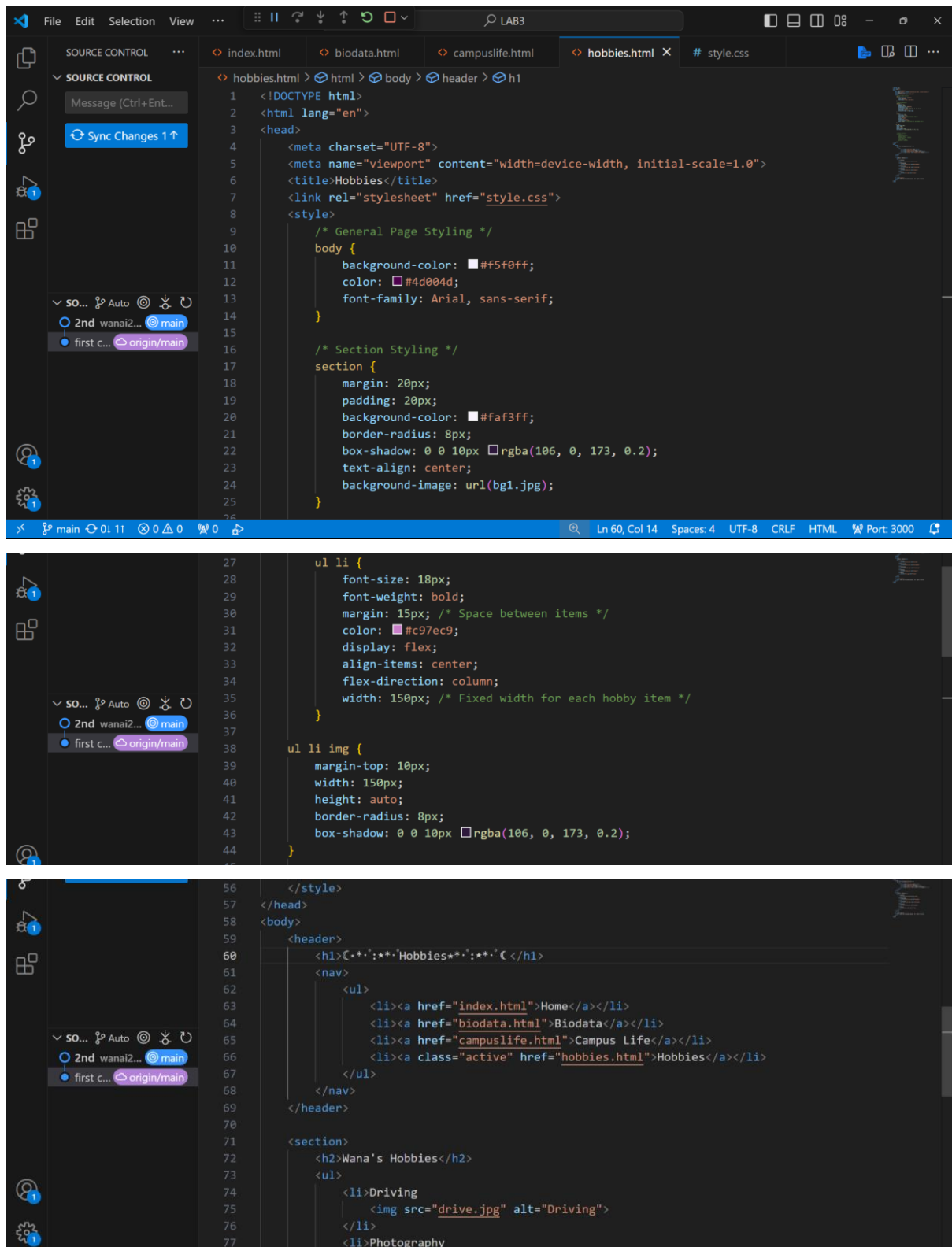
```
68         height: auto;
69         border-radius: 8px;
70         box-shadow: 0 0 5px rgba(106, 0, 173, 0.2);
71     }
72 </style>
73 </head>
74 <body>
75     <header>
76         <h1>... ❄️••Campus Life••❄️ ..</h1>
77         <nav>
78             <ul>
79                 <li><a href="index.html">Home</a></li>
80                 <li><a href="biodata.html">Biodata</a></li>
81                 <li><a class="active" href="campuslife.html">Campus Life</a></li>
82                 <li><a href="hobbies.html">Hobbies</a></li>
83             </ul>
84         </nav>
85     </header>
86
87     <section>
88         <h2>Wana's Memories</h2>
```

```
89         <table class="campus-table">
90             <tr>
91                 <td>
92                     
93                     <p>June 17, 2023</p>
94                     <p>Ilmu Falak camp at Port Dickson</p>
95                 </td>
96                 <td>
97                     
98                     <p>November 25, 2023</p>
99                     <p>Strolling around Malacca City.</p>
100                 </td>
101             </tr>
102             <tr>
103                 <td>
104                     
105                     <p>March 30, 2024</p>
106                     <p>Iftar with ukhties.</p>
107                 </td>
108                 <td>
109                     
110                     <p>April 30, 2024</p>
```

```
111                     <p>Sambutan Hari Raya 1445H</p>
112                 </td>
113             </tr>
114             <tr>
115                 <td>
116                     
117                     <p>May 09, 2024</p>
118                     <p>Konvesyen Intelek Madani (DEBAT)</p>
119                 </td>
120                 <td>
121                     
122                     <p>May 15, 2024</p>
123                     <p>Potluck with classmates</p>
124                 </td>
125             </tr>
126             <tr>
127                 <td>
128                     
129                     <p>June 20, 2024</p>
130                     <p>Dean Award</p>
```

```
131                 </td>
132                 <td>
133                     
134                     <p>July 23, 2024</p>
135                     <p>End of 2nd year</p>
136                 </td>
137             </tr>
138         </table>
139     </section>
140
141     <div class="footer">
142         &copy; 2024 Tuan Khalidah Syazwana. All rights reserved.
143     </div>
144 </body>
145 </html>
```

iv. hobbies.html



The image displays three sequential screenshots of a code editor interface, likely Visual Studio Code, showing the development of a web page named 'hobbies.html' and its associated 'style.css' file.

Top Screenshot: The editor shows the 'hobbies.html' file. The code includes a DOCTYPE declaration, HTML lang attribute, and a head section with meta tags for charset and viewport, a title 'Hobbies', and a link to 'style.css'. The body section contains a style block with general page styling (background-color: #f5f0ff, color: #4d004d, font-family: Arial, sans-serif) and section styling (margin: 20px, padding: 20px, background-color: #faf3ff, border-radius: 8px, box-shadow: 0 0 10px rgba(106, 0, 173, 0.2), text-align: center, background-image: url(bg1.jpg)).

Middle Screenshot: The editor shows the 'style.css' file. The code defines styles for a list of hobbies. The 'ul li' selector sets font-size to 18px, font-weight to bold, margin to 15px, color to #c97ec9, display to flex, align-items to center, flex-direction to column, and width to 150px. The 'ul li img' selector sets margin-top to 10px, width to 150px, height to auto, border-radius to 8px, and box-shadow to 0 0 10px rgba(106, 0, 173, 0.2).

Bottom Screenshot: The editor shows the 'hobbies.html' file again, focusing on the HTML structure. The code includes a header section with a navigation menu (nav) containing links to 'index.html', 'biodata.html', 'campuslife.html', and 'hobbies.html' (the last one is highlighted with a class 'active'). The body section contains a section header 'Wana's Hobbies' and a list of hobbies: 'Driving' (with an image 'drive.jpg' and alt 'Driving') and 'Photography'.


```
77         <li>Photography
78         |   
79         |   </li>
80         <li>Travelling
81         |   
82         |   </li>
83         <li>Sleeping
84         |   
85         |   </li>
86         <li>Eating
87         |   
88         |   </li>
89         </ul>
90     </section>
91
92     <div class="footer">
93         &copy; 2024 Tuan Khalidah Syazwana. All rights reserved.
94     </div>
95 </body>
96 </html>
```

v. style.css

```
# style.css > ...
1  /* General Reset */
2  * {
3      margin: 0;
4      padding: 0;
5      box-sizing: border-box;
6  }
7
8  /* General Page Styles */
9  body {
10     font-family: 'Times New Roman', Times, serif;
11     background-color: #f5f0ff;
12     color: #4d004d;
13     background-image: url(bg3.jpg);
14 }
15
16 header h1 {
17     text-shadow: 2px 2px #4d004d;
18     color: #c29ec2;
19 }
20
21 /* Header and Navigation */
22 header {
23     background-color: #5f3a7a;
24     color: white;
25     text-align: center;
26     padding: 10px;
```

```
26     padding: 10px;
27     background-image: url(bg3.jpg);
28 }
29 /* ul {
30     list-style-type: none;
31     margin: 0;
32     padding: 0;
33     overflow: hidden;
34     background-color: #333;
35 } */
36
37 ul {
38     list-style-type: none;
39     overflow: hidden;
40     background-color: #333;
41     list-style: none;
42     padding: 0;
43     margin: 20px 0;
44     display: flex; /* Use flexbox for the list */
45     flex-wrap: wrap; /* Allow items to wrap to the next row */
46     justify-content: center; /* Center the items */
47 }
48 li {
49     float: left;
```

```
50 }
51
52 li a {
53   display: block;
54   color: white;
55   text-align: center;
56   padding: 14px 16px;
57   text-decoration: none;
58   font-weight: bold;
59 }
60
61 li a:hover:not(.active) {
62   background-color: #111;
63 }
64
65 .active {
66   background-color: #6f00ff;
67   color: #333;
68 }
69
70 nav ul {
71   list-style-type: none;
72   padding: 0;
73   text-align: center;
```

```
76 nav ul li {
77   display: inline;
78   margin: 0 15px;
79 }
80
81 nav a {
82   color: white;
83   text-decoration: none;
84   font-weight: bold;
85 }
86
87 nav a:hover {
88   text-decoration: underline;
89 }
90
91 /* Section Styles */
92 section {
93   margin: 20px;
94   padding: 20px;
95   background-color: #ffffff;
96   border-radius: 8px;
97   box-shadow: 0 0 10px rgba(106, 0, 173, 0.2);
98 }
```

```
100 /* Footer */
101 .footer {
102   background-image: url(wp2.jpg);
103   text-align: center;
104   padding: 10px;
105   background-color: #5f3a7a;
106   color: rgb(57, 55, 55);
107   margin-top: 20px;
108   position: relative;
109   font-weight: bold;
110   font-family: 'Times New Roman', Times, serif;
111 }
```

```
125 .campus-table {
126   width: 100%;
127   border-collapse: collapse;
128   margin: 20px 0;
129 }
130
131 .campus-table th, .campus-table td {
132   padding: 15px;
133   text-align: center;
134 }
135
136 .campus-table img {
137   width: 150px;
138   height: auto;
139   border-radius: 8px;
140 }
```

2. Screenshot




My Biodata

C:/Users/user/Desktop/UTHM/SEM%205/BIC21203%20-%20WEB%20DEVELOPMENT%20%5B3%5D/LAB/LAB%203/LAB3/biodata.html

HomeBiodataCampus LifeHobbies

Wana's Biodata

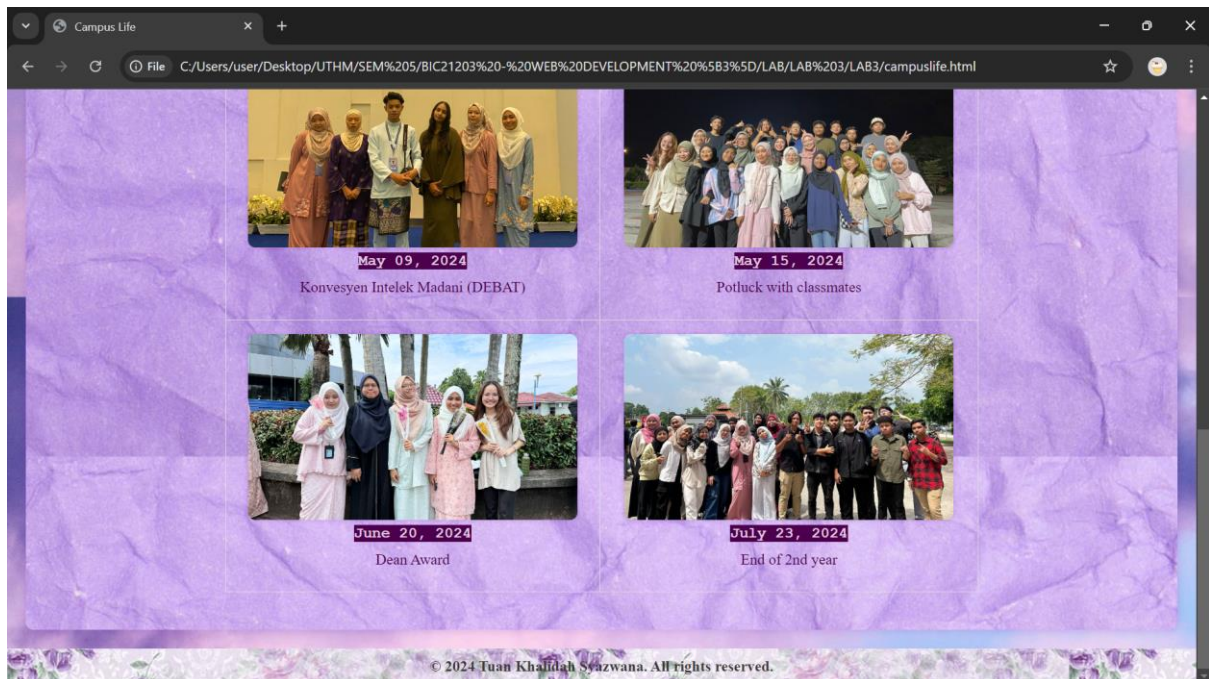
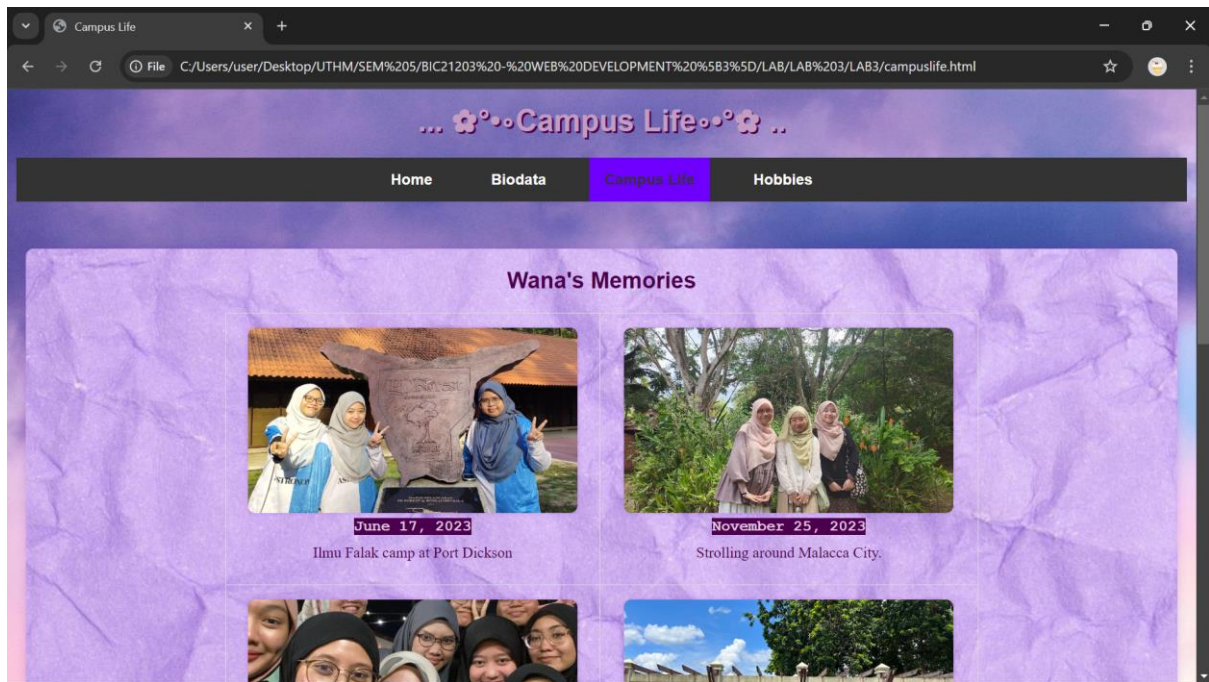
Name	Tuan Khalidah Syazwana Binti Tuan Mohd Kasmawi	
Date Of Birth	May 12, 2003	
Religion	Islam	
Race	Malay	
Street	Kampung Banggol	

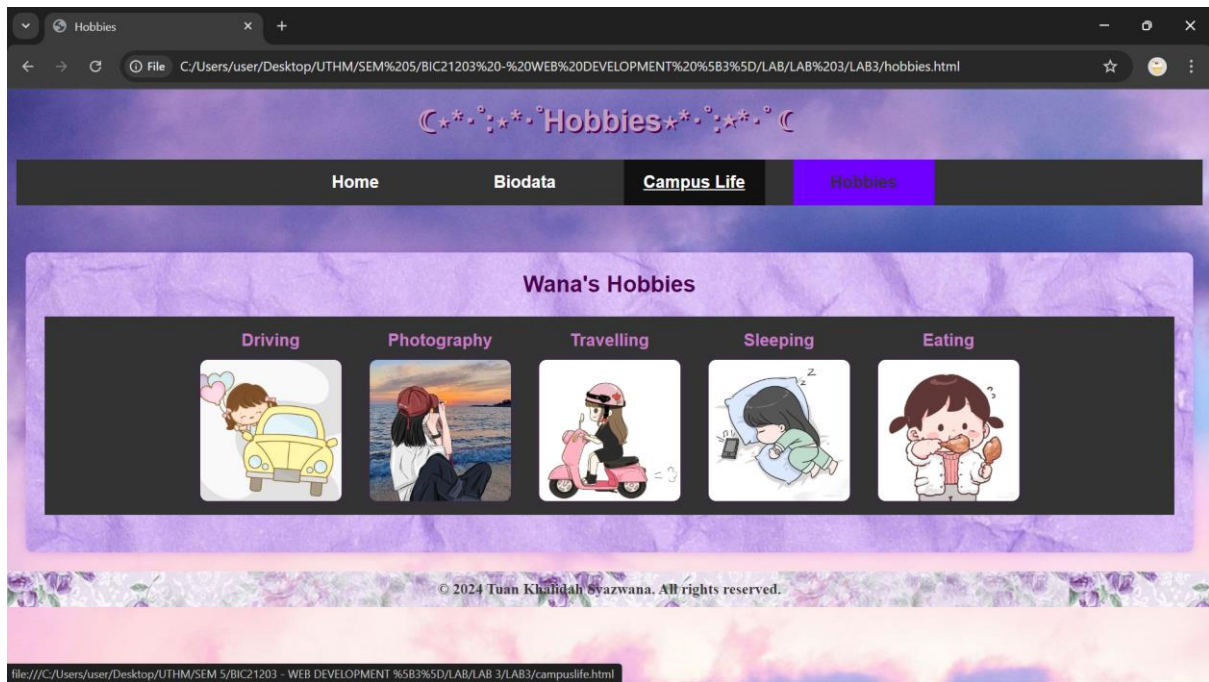
My Biodata

C:/Users/user/Desktop/UTHM/SEM%205/BIC21203%20-%20WEB%20DEVELOPMENT%20%5B3%5D/LAB/LAB%203/LAB3/biodata.html

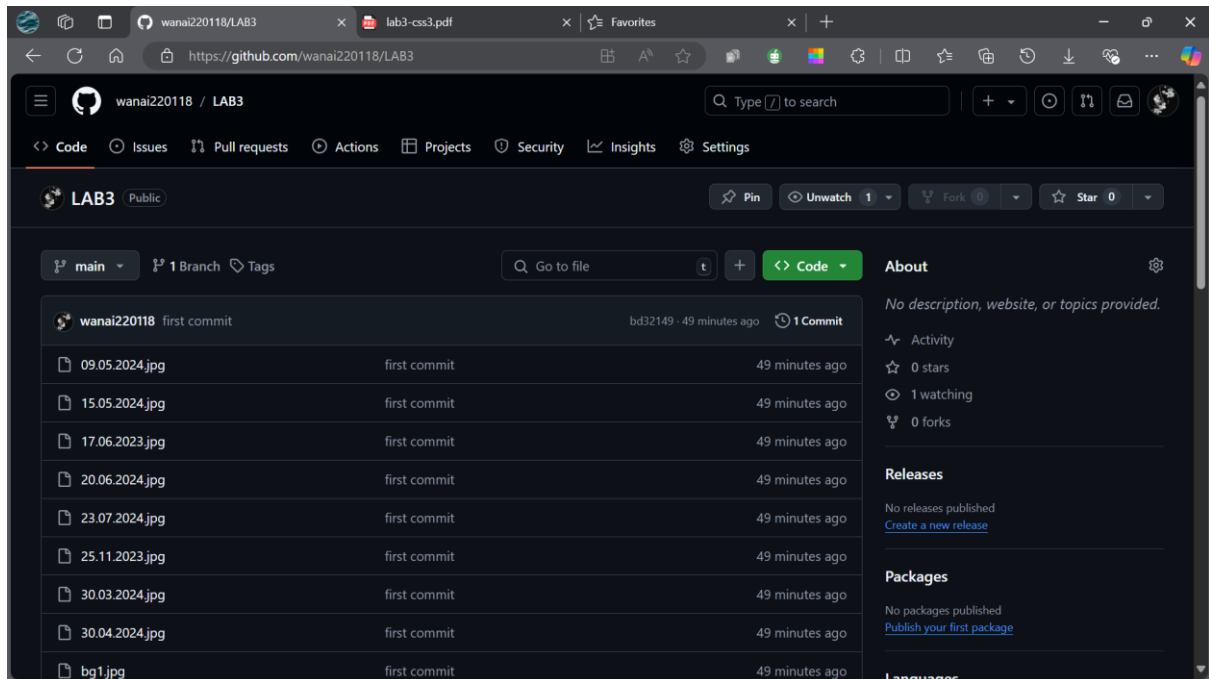
Address	District	Kuala Terengganu
	State	Terengganu Darul Iman
Contact	Mobile Phone	011-1298 5712
	Social Media	My Instagram!
	Website	Github
Course and Institution	Software Engineering and UTHM	
Programming Skills	Java, C, HTML, C#, CSS, Phytton	
Personal Interest	As a software engineering student, I'm passionate about problem-solving and innovation. I enjoy bringing creativity and precision to my work, aiming to develop software solutions that are both effective and user-friendly.	
Future Plan in 2025	Having a lot of good times with my family :)	

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3. Github Pages Link: <https://github.com/wanai220118/LAB3>



4. In a paragraph, explain why you chose the Flexbox/Grid layout in not more than 200 words.

I chose Flexbox for layout design because it offers powerful, flexible alignment and distribution capabilities, making it ideal for responsive web layouts. Unlike older layout methods, Flexbox allows for the automatic adjustment of elements within a container based on screen size, which reduces the need for excessive CSS or complex positioning code. Flexbox's main advantage lies in its ability to handle both horizontal and vertical alignment with ease, providing much more control over spacing, alignment, and order of elements within a container. This approach minimizes the need for float and inline-block hacks, and the Flex container can automatically adapt to fit or distribute items evenly, even when their sizes vary. Flexbox also simplifies alignment for dynamically generated content or when developing multi-device layouts, enabling a consistent experience across different screen resolutions.