WEB BASED INTERFACE DESIGN
(CSF 3133)

Lab 3

Name: Syamil Bin Md Noor

Matric: S76064

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Group: K4

Program: Computer Science (Software Engineering)

Activity 3.2) Block and Inline Elements

Activity 3.3) Using <div> to Organize Content
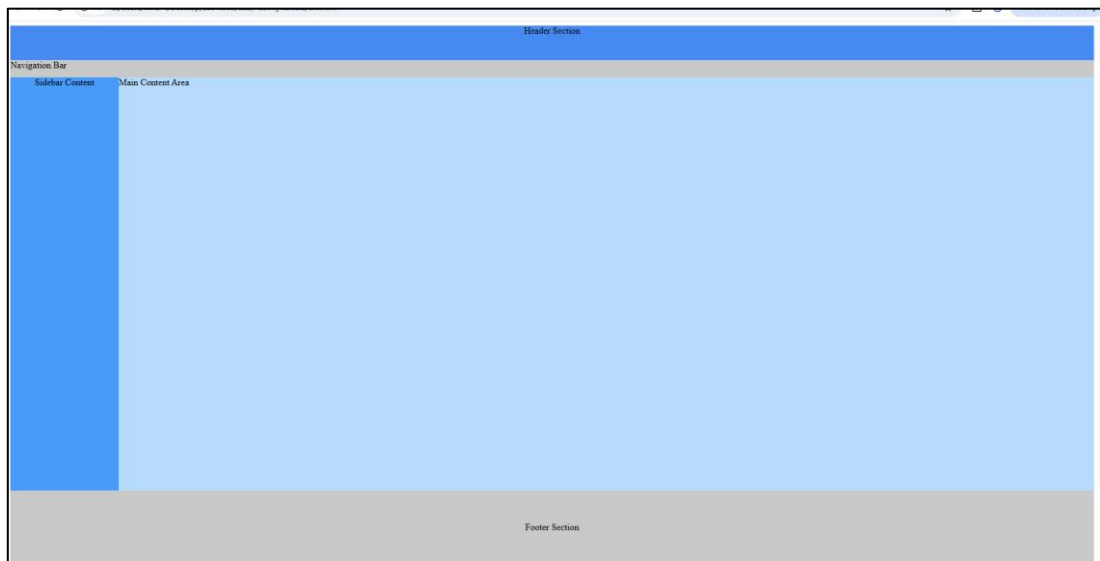
Activity 3.4) Understanding HTML Entities

Contoh Penggunaan Entiti HTML

Tag html terdiri daripada simbol < dan >

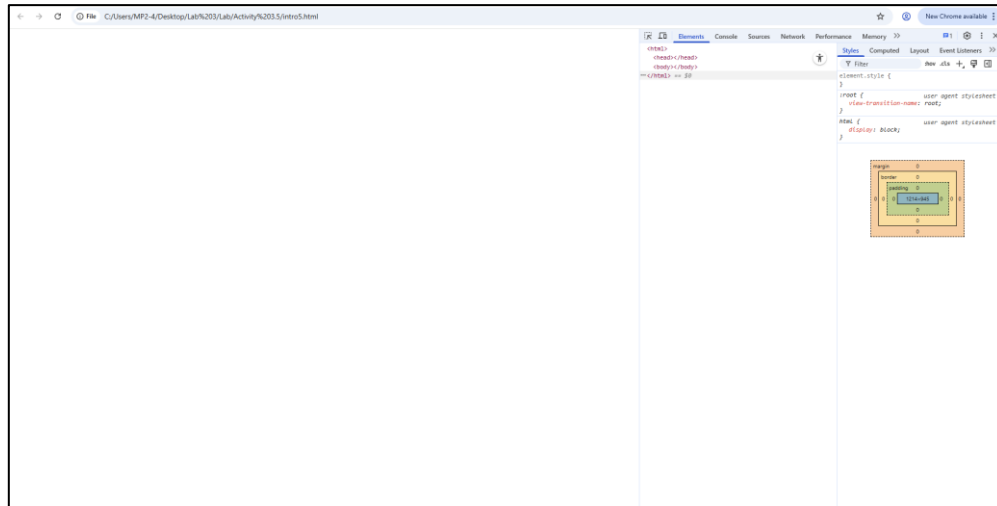Website ini adalah hakmilik SYAMIL BIN MD NOOR ©

MP1 ™

Nintendo Switch 2 Price: ¥ 49,980

½ × ¾ = X

Activity 3.5) HTML5

Output with error:

Validator W3:

Before fix:

```
> intro5.html > ⊘ html
1   <!DOCTYPE>
2   <html>
3       <head>
4           <title>Pengenalan Kepada HTML</title>
5       </head>
6       <body>
7           <h1>HTML5</h1>
8           <P>Saya suka HTML5</P>
9           <br>
10          Syamil Bin Md Noor
11
12      </body>
13  </html>
```

After fix:

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <meta charset="UTF-8">
5           <title>Pengenalan Kepada HTML</title>
6       </head>
7       <body>
8           <h1>HTML5</h1>
9           <P>Saya suka HTML5</P>
10          <br>
11          Syamil Bin Md Noor
12
13      </body>
14  </html>
15
```

Validator W3:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file intro5.html (checked with vnu 25.11.4)

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...]

Check by [file upload ▾] [Choose File] No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check]

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 1 milliseconds.

About this checker · Report an issue

Output:

C/Users/MP2-4/Desktop/Lab%203/Lab/Activity%203.5/intro5.html

HTML5

Saya suka HTML5

Syamil Bin Md Noor

Activity 3.6) HTML5

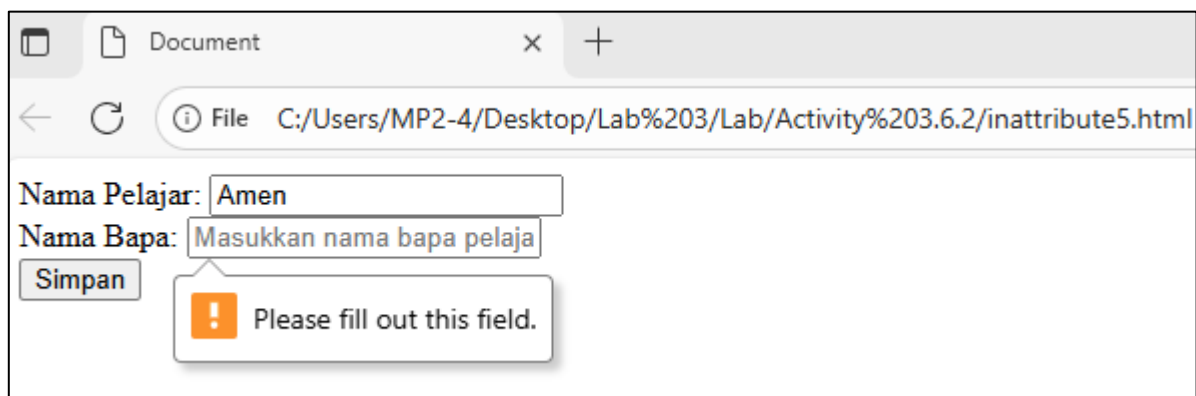## 3.6.1) Input elements in HTML5

After clicking the submit button, the website shows a prompt to indicate the user error such as invalid URL.
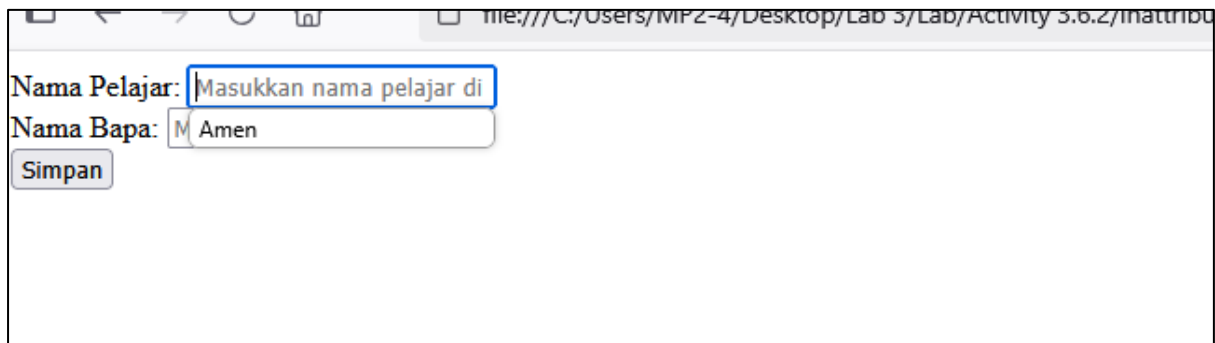

3.6.2) Attributes for Input HTML5

After clicking save button, a prompt pops up to indicate the "Nama Bapa" field must not be empty.
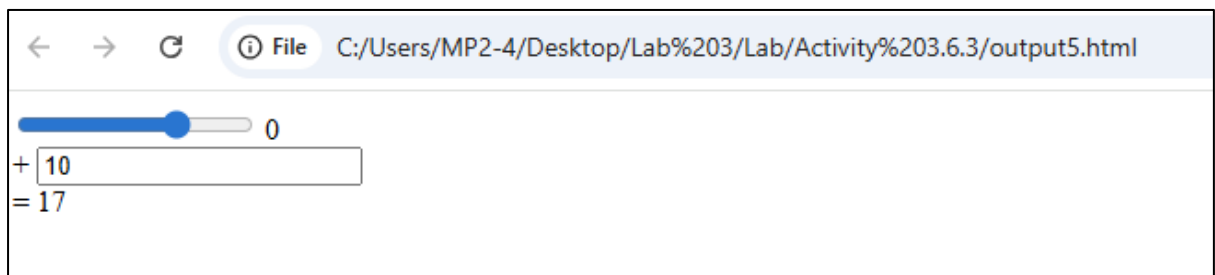
After refreshing the page, the word "Amen" shows in the autocomplete dropdown menu.

3.6.3) HTML5 <output> element

Lab Exercise

Source Code:

```html
lab3.html > html > body > div#content
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <meta charset="UTF-8">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>My Calculator</title>
8   </head>
9
10  <body style="margin: 0%; background-color: rgb(214, 214, 214);">
11      <!--Header of the webiste-->
12      <div id="header"
13          style="background-color: rgb(24, 108, 218); color: rgb(255, 255, 255);  height: 100px; display: flexbox; align-items: center;">
14          <h1 style="margin-top: 0px; margin-bottom: 0px; margin-left: 30px; padding-top: 15px;">Welcome To My Calculator
15          </h1>
16          <span style="margin-top: 10px; margin-left: 60px; font-style: italic; font-size: 18px;">The faster calculator in
17              the world</span>
18      </div>
19
```

```html
20      <!--Content-->
21      <div id="content"
22          style="width: 80%; height: auto; margin: auto; margin-bottom: 30px; margin-top: 3%; display: flex; justify-content: center; align-items: center;">
23
24          <!--Calculator-->
25          <section id="calculator"
26              style="background-color: rgb(255, 255, 255); margin-top: 50px; border-radius: 10px; text-align: center; width: 45%; margin-right: 10px;">
27              <h2
28                  style="text-align: center; padding: 30px; font-size: 35px; margin-bottom: 10px; padding-bottom: 10px; margin-top: 0px;">
29                  Addition</h2>
30              <form oninput="z.value = Number(valX.value) + Number(valY.value)" style="height: 150px;">
31                  <input for="x" id="valX" type="number" value="0">
32                  <br>
33                  <label style="font-size: 30px;">+</label>
34                  <br>
35                  <input for="y" id="valY" type="number" value="0">
36                  <br>
37                  <div
38                      style="background-color: rgb(240, 162, 18); width: 80px; height: 20px; margin: auto; margin-top: 30px; margin-bottom: 30px; display: flex;
39                      align-items: center; justify-content: center; padding: 3px; border-radius: 5px; border: 1px; border-style: solid;">
40                      <output name="z" for="valX valY" style="font-size: 21px;">0</output>
41                  </div>
42              </form>
43          </section>
```

```html
45          <!--Feedback-->
46          <section id="feedback"
47              style="background-color: rgb(240, 162, 18); margin-top: 50px; border-radius: 10px; text-align: center; width: 45%; margin-left: 10px;">
48              <h2
49                  style="text-align: center; padding: 30px; font-size: 35px; margin-bottom: 10px; padding-bottom: 10px;  margin-top: 0px;">
50                  Feedback</h2>
51
52              <form action="#" method="get" style="height: 150px;">
53                  <div style="margin-top: 10px;">
54                      <label id="email">E-mail: </label>
55                      <input for="email" type="email" placeholder="E-mail" required>
56                  </div>
57                  <div style="margin-top: 10px;">
58                      <label id="date">Date: </label>
59                      <input for="date" type="date" required>
60                  </div>
61                  <div style="margin-top: 10px;">
62                      <label id="date">Satisfactory: 0</label>
63                      <input for="date" type="range" min="0" max="5" step="1" value="0" required>
64                      <label>5</label>
65                  </div>
66                  <div style="margin-top: 20px; margin-bottom: 30px;">
67                      <input type="submit" value="Submit Feedback">
68                  </div>
69              </form>
70          </section>
71      </div>
```

```html
73      <!--Footer-->
74      <div id="footer"
75          style="background-color: rgb(24, 108, 218); color: rgb(255, 255, 255); height: 60px; width: 100%; position: fixed; left: 0;
76          bottom: 0; text-align: center; display: inline; align-content: center;">
77          <footer>
78              <span style="padding: 10px;">&copy; Syamil Bin Md Noor</span>
79              <span style="padding: 10px;">Contact: 012-2613710</span>
80              <a href="mailto:s76064@ocean.umt.edu.my" style="padding: 10px; text-decoration: none; color: rgb(255, 255, 255);">E-mail</a>
81          </footer>
82      </div>
83  </body>
84
85  </html>
```