



WEB BASED INTERFACE DESIGN
(CSF 3133)

Lab 3

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Date: 5/11/2025

Group: K4

Program: Computer Science (Software Engineering)

Activity 3.2) Block and Inline Elements

Block Elements

This is a block element

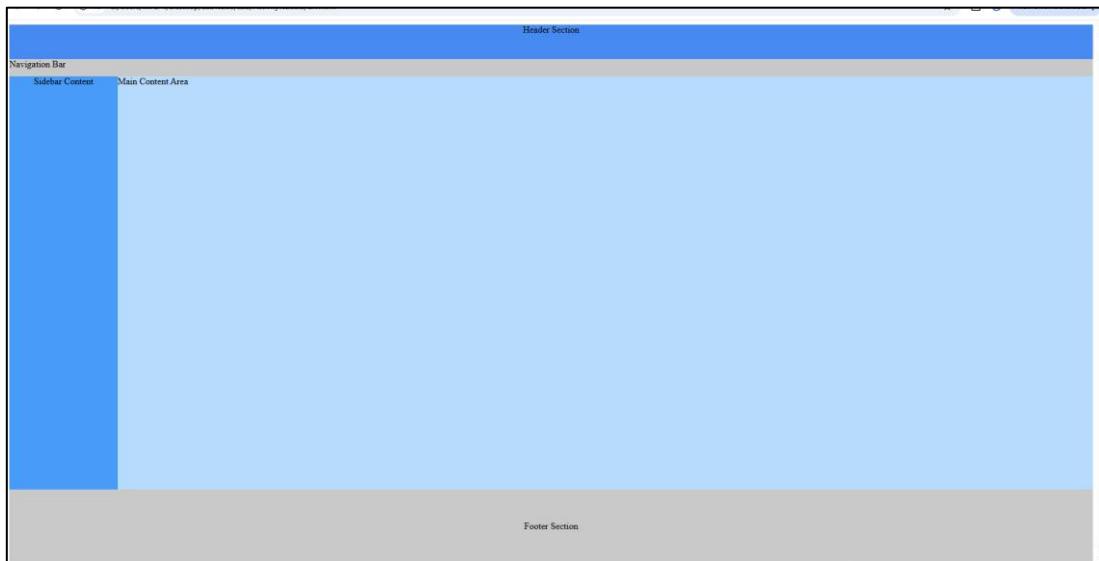
This is a paragraph (block element)

- List item 1
- List item 2

Inline Elements

This is an inline element [This is a link \(inline element\)](#) **This is bold text (inline element)**

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 ©

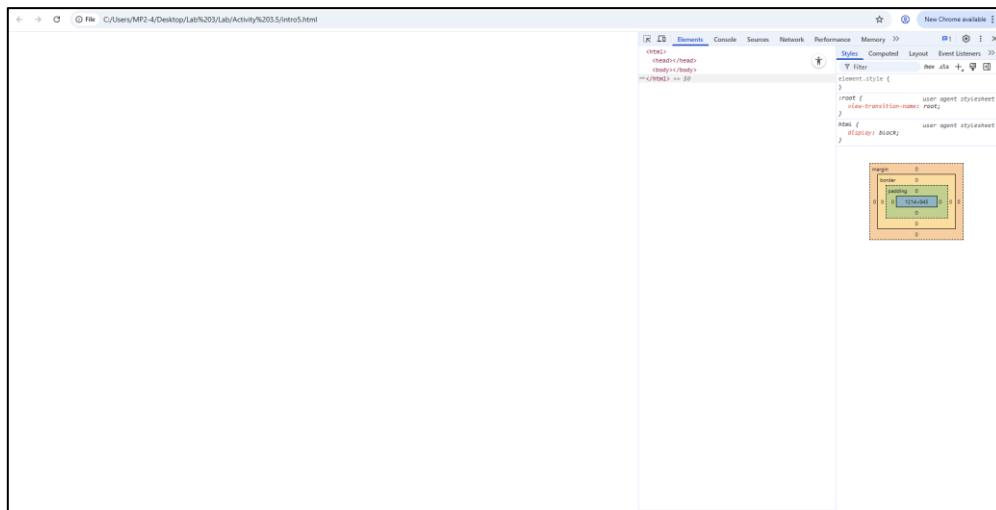
MP1™

Nintendo Switch 2 Price: ¥ 49,980

$\frac{1}{2} \times \frac{3}{4} = X$

Activity 3.5) HTML5

Output with error:



Validator W3C:

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 No file chosen
Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings
[Message Filtering](#)

1. **Error** The character encoding was not declared. Proceeding using windows-1252.
2. **Error** End of file seen without seeing a doctype first. Expected <!DOCTYPE html>.
3. **Error** Element `head` is missing a required instance of child element `title`.
Content model for element `head`
If the document is an `iframe srcdoc` document or if title information is available from a higher-level protocol. Zero or more elements of `metadata content`, of which no more than one is a `title` element and no more than one is a `base` element.
Otherwise: One or more elements of `metadata content`, of which exactly one is a `title` element and no more than one is a `base` element.

Before fix:

```
intro5.html > ⚡ html
1  <!DOCTYPE html>
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 W3C:

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...

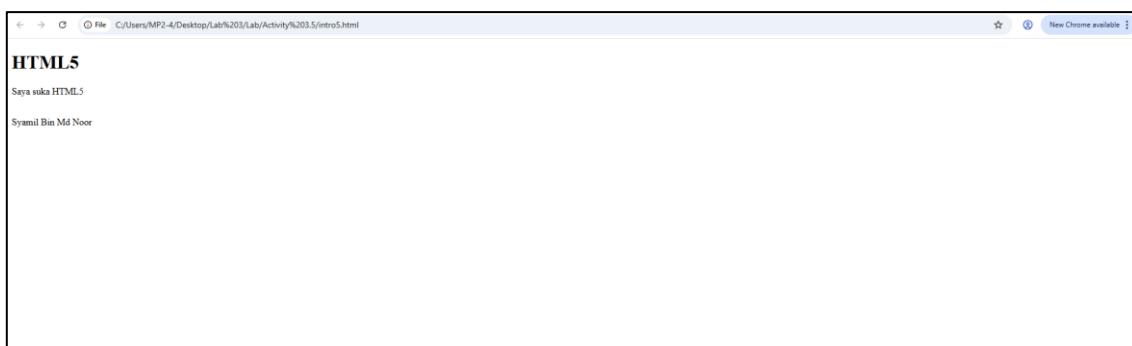
Check by No file chosen
Uploaded files with .xhtml or .xht extensions are parsed using the XMTL parser.

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:



Activity 3.6) HTML5

3.6.1) Input elements in HTML5

Pilih warna kegemaran anda:

Carian: Carian saya

Tarikh: 05/11/2025

Masa: 11:50 AM

Bulan dan Tahunan: November, 2025

Laman Web: url saya

Minggu: Week

Email: email saya

Hantar

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

Pilih warna kegemaran anda:

Carian: Carian saya

Tarikh: 05/11/2025

Masa: 11:50 AM

Bulan dan Tahunan: November, 2025

Laman Web: url saya Please enter a URL.

Minggu: Week

Email: email saya

Hantar

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.

Nama Pelajar: Amen

Nama Bapa: Masukkan nama bapa pelaja

Simpan

Please fill out this field. !

After refreshing the page, the word “Amen” shows in the autocomplete dropdown menu.

The screenshot shows a web browser window with the URL `file:///C:/Users/MP2-4/Desktop/Lab%203/Lab/Activity%203.6.2/input5.html`. Inside the browser, there is a form with two fields. The first field is labeled "Nama Pelajar:" and contains the placeholder text "Masukkan nama pelajar di". The second field is labeled "Nama Bapa:" and has a dropdown menu open, showing the suggestion "Amen". Below the fields is a "Simpan" button.

3.6.3) HTML5 <output> element

The screenshot shows a web browser window with the URL `C:/Users/MP2-4/Desktop/Lab%203/Lab/Activity%203.6.3/output5.html`. Inside the browser, there is a form with a numeric input field. The input field has a value of "0". Above the input field is a slider with a blue handle set to "0". Below the input field is a text area containing the expression "+ 10" and the result "= 17".

Lab Exercise

Source Code:

```

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 website-->
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

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

39   <!--Feedback-->
40   <section id="feedback" style="background-color: #rgb(240, 162, 18); margin-top: 50px; border-radius: 10px; text-align: center; width: 45%; margin-left: 10px;">
41     <h2 style="text-align: center; padding: 30px; font-size: 35px; margin-bottom: 10px; padding-bottom: 10px; margin-top: 0px;">
42       Feedback</h2>
43
44     <form action="#" method="get" style="height: 150px;">
45       <div style="margin-top: 10px;">
46         <label id="email">E-mail:</label>
47         <input for="email" type="email" placeholder="E-mail" required>
48       </div>
49       <div style="margin-top: 10px;">
50         <label id="date">Date:</label>
51         <input for="date" type="date" required>
52       </div>
53       <div style="margin-top: 10px;">
54         <label id="date">Satisfactory: 0</label>
55         <input for="date" type="range" min="0" max="5" step="1" value="0" required>
56         <label>5</label>
57       </div>
58       <div style="margin-top: 20px; margin-bottom: 30px;">
59         <input type="submit" value="Submit Feedback">
60       </div>
61     </form>
62   </section>
63
64 </div>
65

66 <!--Footer-->
67 <div id="footer" style="background-color: #rgb(24, 108, 218); color: #rgb(255, 255, 255); height: 60px; width: 100%; position: fixed; left: 0; bottom: 0; text-align: center; display: inline; align-content: center;">
68   <span style="padding: 10px; &copy; Syamil Bin Md Noor</span>
69   <span style="padding: 10px;">Contact: 012-2613710</span>
70   <a href="mailto:s76064@ocean.umt.edu.my" style="padding: 10px; text-decoration: none; color: #rgb(255, 255, 255);>E-mail</a>
71 </div>
72
73 </body>
74
75 </html>

```

Output:

The screenshot shows a web browser window with the title "My Calculator" and the URL "127.0.0.1:5500/lab3.html". The page has a blue header bar with the text "Welcome To My Calculator" and "The fastest calculator in the world". Below the header, there are two main sections: "Addition" and "Feedback". The "Addition" section contains two input fields for numbers (both currently show "0") separated by a plus sign "+", and a yellow "Calculate" button. The "Feedback" section is set against an orange background and includes fields for "E-mail" and "Date" (dd/mm/yyyy), a satisfaction slider from 0 to 5 (set at 0), and a "Submit Feedback" button. At the bottom of the page, there is a footer bar with the text "© Syamil Bin Md Noor Contact: 012-2613710 S76064@ocean.umt.edu.my".