



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

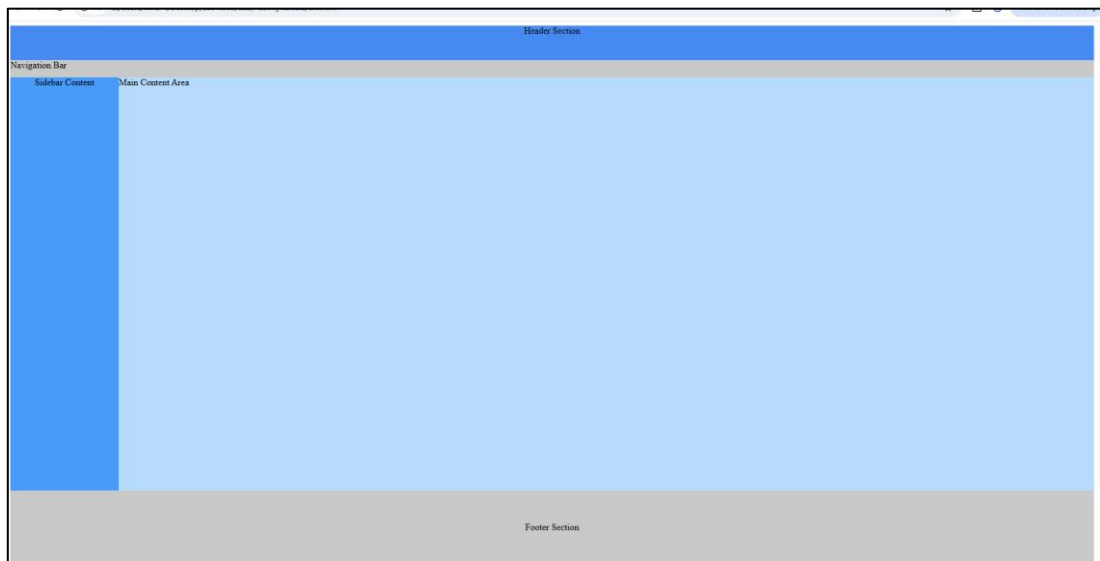
This is a paragraph (block element)

- 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 ©

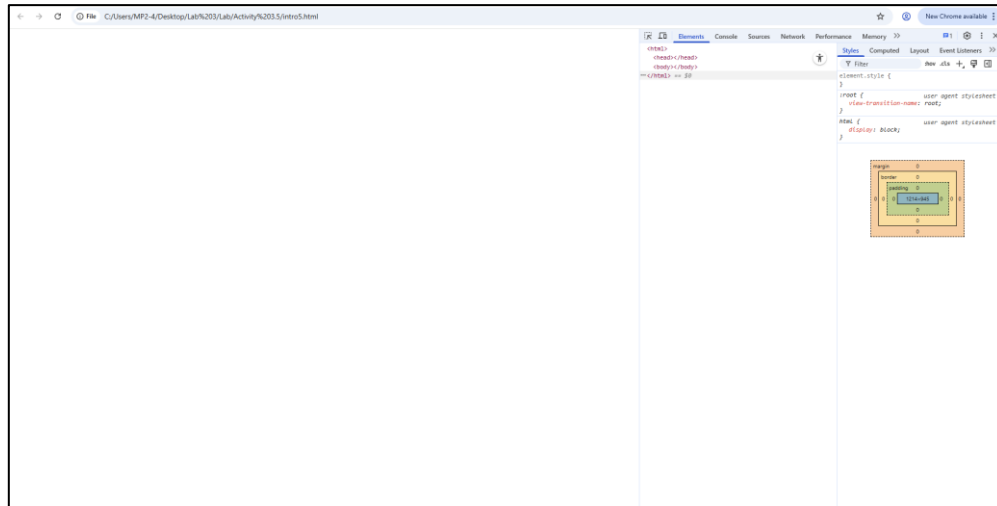
MP1 TM

Nintendo Switch 2 Price: ¥ 49,980

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

Activity 3.5) HTML5

Output with error:



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

Check by **File upload** 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

- Error** The character encoding was not declared. Proceeding using `windows-1252`.
- Error** End of file seen without seeing a doctype first. Expected `<!DOCTYPE html>`.
- 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>
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  </body>
12 </html>
13
```

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  </body>
13 </html>
14
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

Check by **file upload** No file chosen

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

5

Activity 3.6) HTML5

3.6.1) Input elements in HTML5

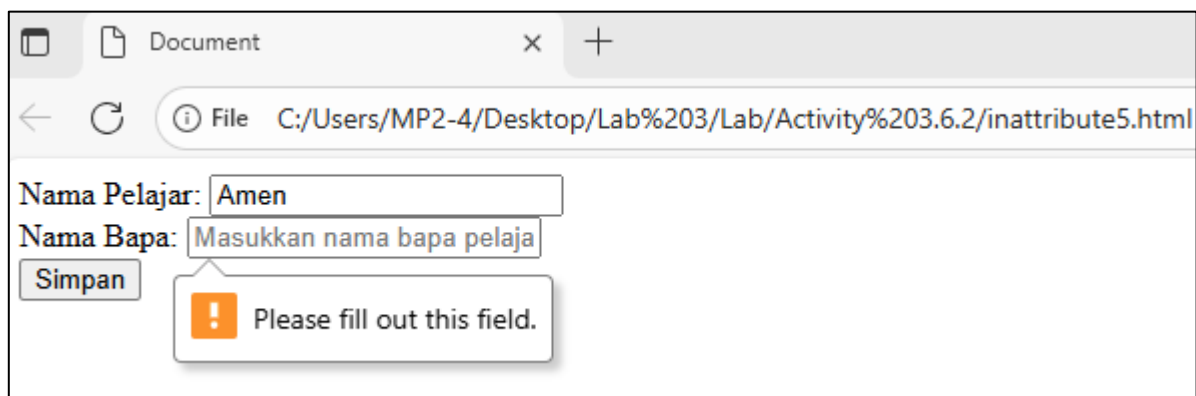


After clicking the submit button, the website shows a prompt to indicate the user error such as invalid URL.

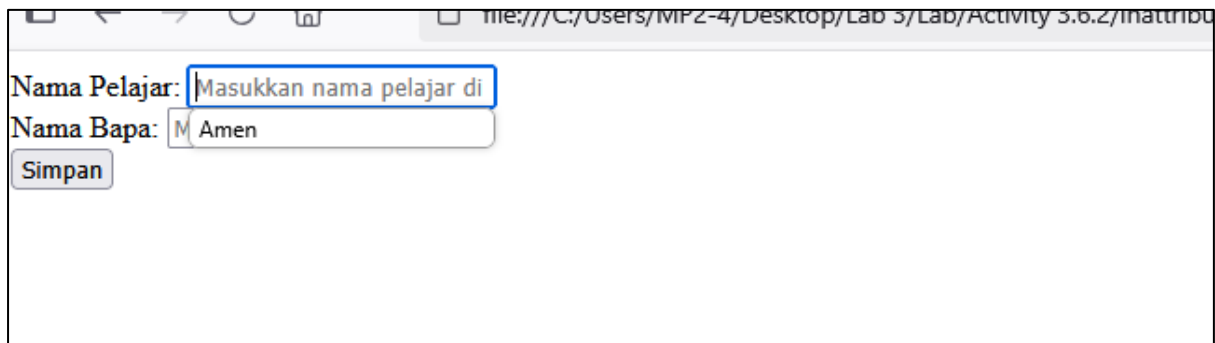


3.6.2) Attributes for Input HTML5

After clicking save button, a prompt pops up to indicate the “Nama Bapa” field must not be empty.

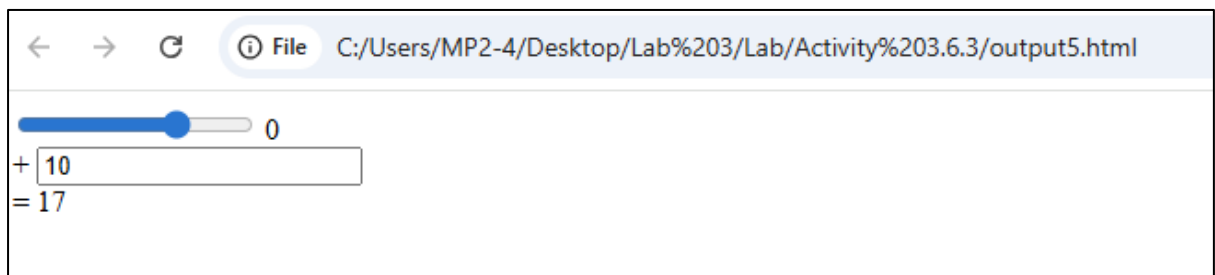


After refreshing the page, the word “Amen” shows in the autocomplete dropdown menu.



The screenshot shows a web browser window with a file path in the address bar: `file:///C:/Users/MP2-4/Desktop/Lab 3/Lab/Activity 3.6.2/inattribu`. The form contains two input fields. The first field, labeled "Nama Pelajar:", has a placeholder text "Masukkan nama pelajar di". The second field, labeled "Nama Bapa:", has the text "Amen" entered. Below the second field is a button labeled "Simpan".

3.6.3) HTML5 <output> element



The screenshot shows a web browser window with a file path in the address bar: `C:/Users/MP2-4/Desktop/Lab%203/Lab/Activity%203.6.3/output5.html`. The page displays a slider control with a blue bar and a value of 0. Below the slider is a text input field containing the number 10. Below the input field, the text "= 17" is displayed, indicating the result of a calculation.

Lab Exercise

Source Code:

```

<? 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
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>
44
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         <form action="#" method="get" style="height: 150px;">
52             <div style="margin-top: 10px;">
53                 <label id="email">E-mail: </label>
54                 <input for="email" type="email" placeholder="E-mail" required>
55             </div>
56             <div style="margin-top: 10px;">
57                 <label id="date">Date: </label>
58                 <input for="date" type="date" required>
59             </div>
60             <div style="margin-top: 10px;">
61                 <label id="date">Satisfactory: 0</label>
62                 <input for="date" type="range" min="0" max="5" step="1" value="0" required>
63                 <label>5</label>
64             </div>
65             <div style="margin-top: 20px; margin-bottom: 30px;">
66                 <input type="submit" value="Submit Feedback">
67             </div>
68         </form>
69     </section>
70 </div>
71
72 <!--Footer-->
73 <div id="footer"
74     style="background-color: #rgb(24, 108, 218); color: #rgb(255, 255, 255); height: 60px; width: 100%; position: fixed; left: 0;
75     bottom: 0; text-align: center; display: inline; align-content: center;">
76     <footer>
77         <span style="padding: 10px;">&copy; Syamil Bin Md Noor</span>
78         <span style="padding: 10px;">Contact: 012-2613710</span>
79         <a href="mailto:s76064@ocean.umd.edu.my" style="padding: 10px; text-decoration: none; color: #rgb(255, 255, 255);">E-mail</a>
80     </footer>
81 </div>
82 </body>
83 </html>
84
85 </html>

```


Output:

My Calculator

127.0.0.1:5500/lab3.html

Welcome To My Calculator

The fastest calculator in the world

Addition

0

+

0

0

Feedback

E-mail:

Date:

Satisfactory: 0 5

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