



WEB-BASED INTERFACE DESIGN

(CSF 3133)

LAB REPORT 3

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PROGRAMME : COMPUTER SCIENCE (SOFTWARE ENGINEERING)

3.2 Block and Inline Elements

The screenshot shows a web browser window with the title bar "Document". The address bar shows the file path "C:/Users/MP2-4/Downloads/Lab3/Lab3/block.html". The main content area displays the following text:

Block Elements

This is a block element

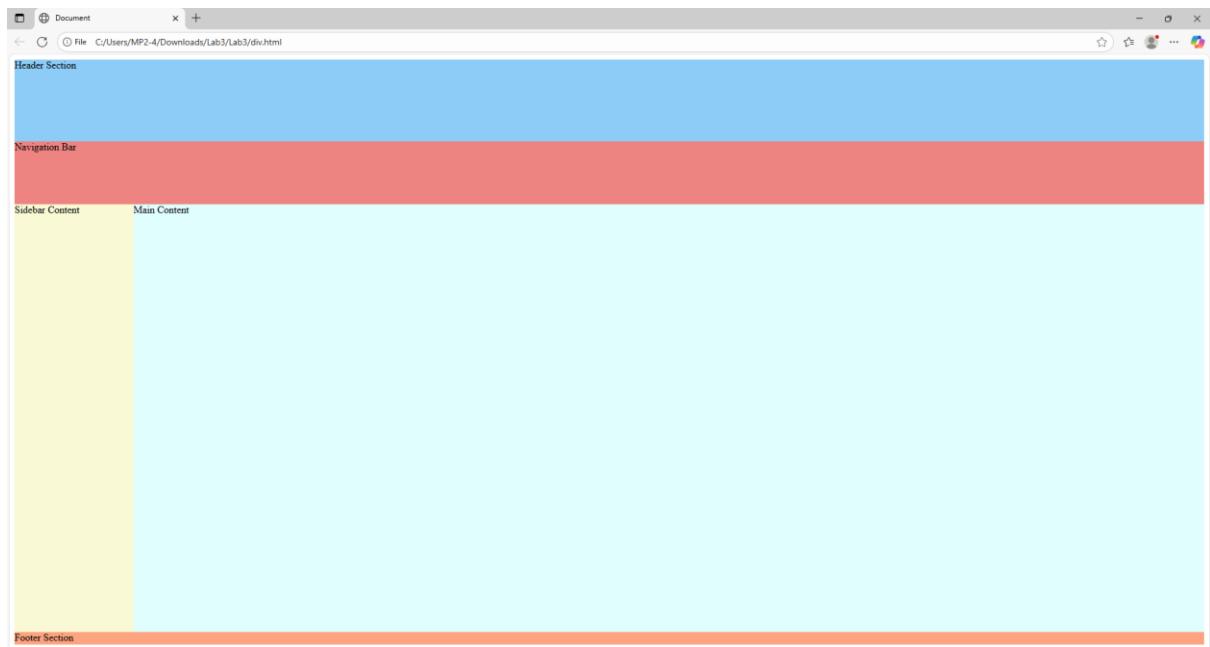
This is a paragraph (block element)

- List item 1
- List item 2

Inline Elements

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

3.3 Using <div> to Organize Content



3.4 Understanding HTML Entities

The screenshot shows a web browser window with the title "Document". The address bar indicates the file is located at "C:/Users/MP2-4/Downloads/Lab3/Lab3/entity.html". The main content area displays the following text:

Contoh Penggunaan Entiti HTML

Tag html terdiri daripada simbol < dan >

Website ini adalah hakmilik NAMAANDA ©

The screenshot shows a web browser window with the title "Document". The address bar indicates the file is located at "C:/Users/MP2-4/Downloads/Lab3/Lab3/entity.html". The main content area displays the following text:

Contoh Penggunaan Entiti HTML

Tag html terdiri daripada simbol < dan >

Website ini adalah hakmilik NAMAANDA ©

Ampersand &
Double quote "
Euro €

3.5 Hypertext Mark Up Language 5 (HTML5)

The screenshot shows a web browser window with the title "Pengenalan Kepada HTML". The address bar indicates the file is located at "C:/Users/MP2-4/Downloads/Lab3/Lab3/into5.html". The main content area displays the following text:

HTML5

Saya suka HTML5

-Nama Anda

validator.w3.org/nu/#file

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 into5.html (checked with vnu 25.11.4)

Checker Input

Show source outline image report

Check by file upload Choose File 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** Missing space before doctype name.
At line 1, column 10
<!DOCTYPE> <xhtml></head>

3. **Error** Nameless doctype.
At line 1, column 10
<!DOCTYPE> <xhtml></head>

4. **Error** Quirky doctype. Expected <!DOCTYPE html>.
From line 1, column 1; to line 1, column 10
<!DOCTYPE> <xtn>

Document checking completed.

Used the HTML parser.
Total execution time 1 milliseconds.

validator.w3.org/nu/#file

Nu Html Checker

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

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Checker Input

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Check by file upload Choose File No file chosen

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Message Filtering

1. **Error** The character encoding was not declared. Proceeding using windows-1252.

Document checking completed.

Used the HTML parser.
Total execution time 1 milliseconds.

3.6.1 Input Elements in HTML5

The screenshot shows a web browser window displaying an HTML5 form. The title bar says "input5.html". The address bar shows the file path "C:/Users/MP2-4/Downloads/Lab3/Lab3/input5.html". The form contains the following fields:

- Pilih warna kegemaran anda:
- Carian:
- Tarikh:
- Masa:
- Bulan dan Tahun:
- Laman Web:
- Minggu:
- Email:
- Hantar

A screenshot of a web browser window titled "input5.html". The page contains several input fields:

- Pilih warna kegemaran anda:
- Carian:
- Tarikh:
- Masa:
- Bulan dan Tahun:
- Laman Web:
- Minggu:
- Email: ! Please enter a URL.
- Hantar

3.6.2 Attributes for Input HTML5

A screenshot of a web browser window titled "inattribute5.html". The page contains two input fields and one button:

- Nama Pelajar:
- Nama Bapa:
-

"Nama Pelajar" text box has flashing cursor

A screenshot of a web browser window titled "inattribute5.html". The page contains three input fields and one button:

- Nama Pelajar:
- Nama Bapa:
-

An error message box is displayed over the "Simpan" button:

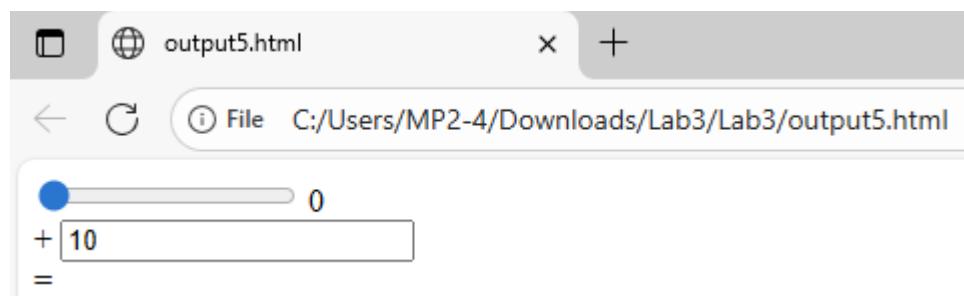
! Please fill out this field.

A screenshot of a mobile browser window. The address bar shows the path "/C:/Users/MP2-4/Downloads/Lab3/". The page contains the same input fields as the previous screenshots:

- Nama Pelajar:
- Nama Bapa:
-

The browser's navigation and file management icons are visible at the bottom.

3.6.3 HTML5 <output> element



Lab Exercise

Source Code:

```
lab3.html X Search Lab3 — lab3.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>lab3</title>  
8  </head>  
9  
10 <body>  
11     <!-- Header -->  
12     <div id="header" style="background-color: #lightpink; height: 130px;">  
13         <h1>Contact</h1>  
14         <span>This form is to collect your contact</span>  
15     </div>  
16  
17     <!-- Content -->  
18     <div id="content" style="background-color: #lightskyblue; height: 750px;">  
19         <form action="">  
20             Name: <input type="name" name="name">  
21             <br>  
22             Favourite Color: <input type="color" name="fcolor">  
23             <br>  
24             Email: <input type="email" name="useremail">  
25             <br>  
26             Date: <input type="date" name="date">  
27             <br>  
28             User satisfaction: <input id="x" type="range" min="0" max="10" value="0">  
29             <br>  
30             <input type="submit" value="submit">  
31         </form>  
32         <div><br>  
33             Inline calculator  
34             <form oninput="z.value=parseInt(x.value)+parseInt(y.value)">  
35                 <input id="x" type="number"> + <input id="y" type="number"> =  
36                 <output name="z" for="x y"></output>  
37                 </form>  
38         </div>  
39     </div>  
40  
41     <!-- Footer -->  
42     <div id="toolbar" style="background-color: #grey; height: 21 px;">  
43         If you have any question, please contact 016-241 1662  
44         Website ini adalah hak milik chiaying&#169;  
45     </div>  
46 </body>  
47 </html>
```

Output:

A screenshot of a web browser window titled "lab3". The address bar shows the file path: "C:/Users/MP2-4/Downloads/Lab3/Lab3/lab3.html". The page content is a contact form with a pink header and a blue body. The header contains the title "Contact" and a sub-instruction "This form is to collect your contact". The body contains several input fields: "Name" (text input), "Favourite Color" (color picker set to black), "Email" (text input), "Date: dd/mm/yyyy" (date input), "User satisfaction" (radio button set to blue), and a "submit" button. Below these is an "Inline calculator" section with two text inputs separated by a plus sign and an equals sign. At the bottom of the page, there is a footer bar with the text "Website ini adalah hak milik chayeng©".

Contact

This form is to collect your contact

Name:

Favourite Color:

Email:

Date:

User satisfaction:

submit

Inline calculator + =

Website ini adalah hak milik chayeng©