



**WEB BASED INTERFACE DESIGN
(CSF3133)**

Lab Report 4

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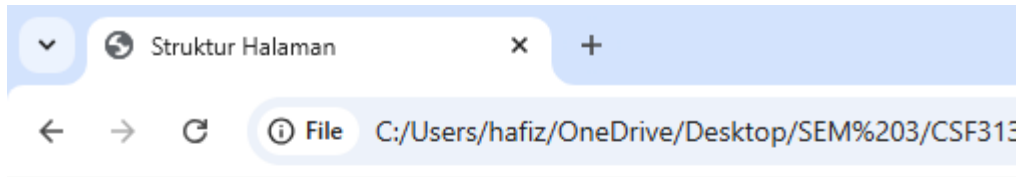
Matric : S75659

Date : 12 November 2025

Group : K4

Programme : Computer Science (Software Engineering)

4.2 Page Structure Elements



Ini adalah header. Gambar juga boleh diletakkan di sini.

Ini adalah seksyen 1.

Ini adalah seksyen 2.

Ini adalah seksyen 3.

Berikut adalah contoh penggunaan meter:



© Hakcipta terpelihara.

Hubungi kami di s75659@umt.edu.my > email saya

4.3 Insert Video into HTML5 Document



4.4 Cascading Style Sheets

3%20LAB/Lab%20Week%204/stail.html

Hello UMT

4.5 Recognize ID and Selector Class

```
<html>
  <head>
    <style type="text/css">
      #Part1{
        text-align: center;
        color: red;
      }
    </style>
  </head>
  <body>
    <p id="Part1">Hello UMT!</p>
  </body>
</html>
```

3%20LAB/Lab%20Week%204/stailID.html

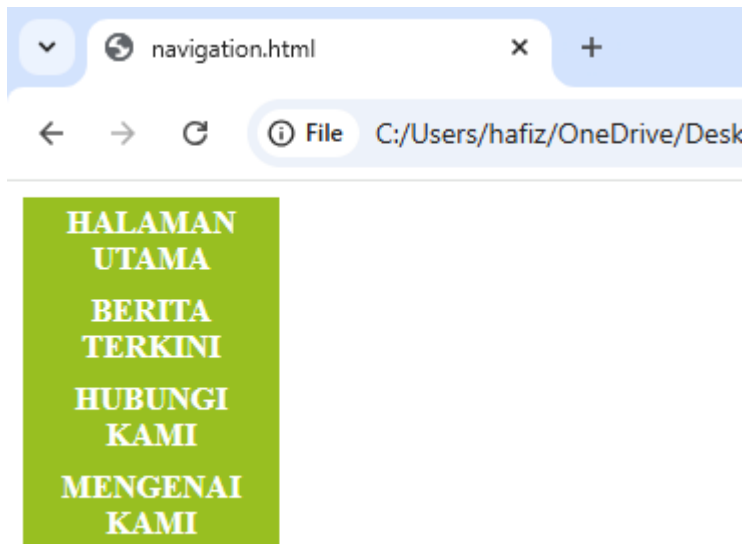
Hello UMT!

04/Class.html

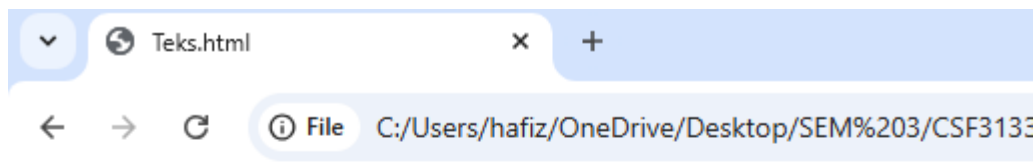
Tajuk

Perenggan

4.6 Navigation Bar using CSS



4.7 Recognizing Text Decoration



This is heading 1

~~This is heading 2~~

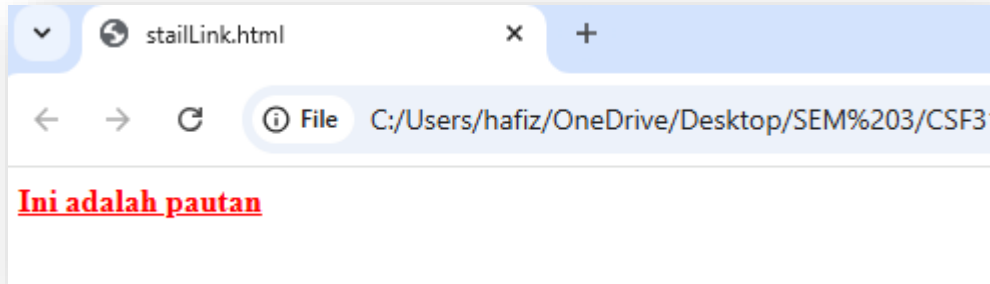
This is heading 3

This is heading 4

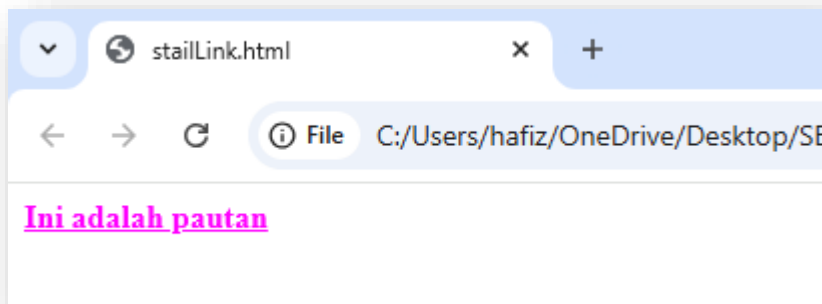
Note: The "blink" value is not supported in IE, Chrome, or Safari

4.8 Recognizing Styling Links

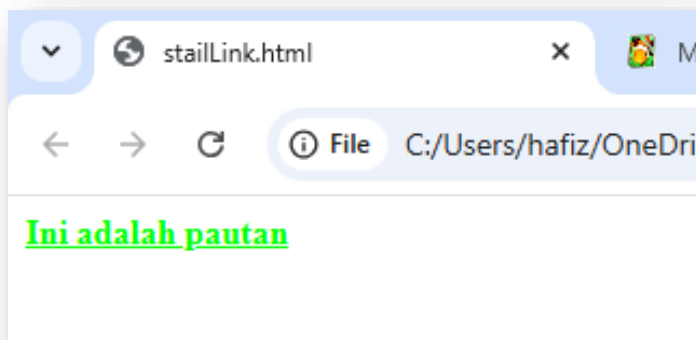
Unvisited link :



Mouse over link :



Visited link :



4.9 Lab Exercise 4

In this exercise, you will build a functional webpage that integrates various HTML5 and CSS concepts. You will apply semantic HTML5 elements to structure content effectively, incorporate embedded media for enhanced interactivity, and use CSS to create a visually appealing design.

This lab aims to reinforce your understanding of modern web development principles while improving your ability to design professional and user-friendly webpages. By the end of this task, you will have a well-structured and styled webpage that demonstrates your ability to combine HTML5 and CSS effectively.

4.9.1 Building a Responsive Webpage with HTML5 and CSS

Instruction

1. Create the HTML File:

- Name the file `lab4.html`.

2. Define the Structure:

- Use semantic HTML5 elements such as `<header>`, `<nav>`, `<section>`, `<article>`, and `<footer>` to structure your webpage.
- Create a navigation bar using an unordered list styled with CSS. Include links to various sections of the page.

3. Insert Media

- Embed a video in one section of the webpage.
- Ensure the video is properly captioned and fits the design of your page.

4. Apply CSS Styling

- Use both internal and external CSS to style the page.
- Apply text decoration to headings and links using CSS properties such as `text-decoration`: `underline`, `overline`, `line-through`, and others.
- Create a responsive design by styling your links for various states (`:hover`, `:visited`, `:active`).

5. Interactive Elements

- Include a form with the following fields:
 - Name (Text Input)
 - Email (Text Input)
 - Gender (Radio Buttons)
 - Favorite Hobbies (Checkboxes)
 - Submit Button
- Style the form using CSS.

Coding

```
C: > Users > hafiz > OneDrive > Desktop > SEM 3 > CSF3133 LAB > Lab Week 4 > lab4.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>Lab 4 Webpage</title>
7    <link rel="stylesheet" href="style.css">
8    <style>
9
10     body {
11       font-family: Arial, sans-serif;
12       margin: 0;
13       background-color: #f4f4f4;
14     }
15
16     header {
17       background: #333;
18       color: white;
19       padding: 1rem;
20       text-align: center;
21     }
22
23     nav ul {
24       list-style: none;
25       margin: 0;
26       padding: 0;
27       background: #444;
28       overflow: hidden;
29       display: flex;
30       justify-content: center;
31     }
32
33     nav ul li {
34       margin: 0 10px;
35     }
36
37     nav ul li a {
38       display: block;
39       padding: 10px 20px;
40       color: white;
41       text-decoration: none;
42       border-radius: 4px;
43     }
```

```
nav ul li a:hover {
  background: #c5c0bd;
}

section {
  padding: 20px;
  background: white;
  margin: 20px;
  border-radius: 10px;
}

video {
  width: 100%;
  max-width: 600px;
  border-radius: 10px;
  display: block;
  margin: 0 auto;
}

form {
  display: flex;
  flex-direction: column;
  gap: 10px;
  max-width: 400px;
  margin: 20px auto;
  padding: 20px;
  background: #fafafa;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0,0,0,0.1);
}

input, select, button {
  padding: 10px;
  font-size: 1em;
}
```



```

1  footer {
2      background: #333;
3      color: white;
4      text-align: center;
5      padding: 10px;
6  }
7
8  /* Link states */
9  a:link { color: #FF0000; }
10 a:visited { color: #00FF00; }
11 a:hover { color: #FF00FF; }
12 a:active { color: #0000FF; }
13
14 </style>
15 </head>
16 <body>
17
18 <header>
19     <h1>Welcome to My New Webpage</h1>
20 </header>
21
22 <nav>
23     <ul>
24         <li><a href="#home">Home</a></li>
25         <li><a href="#media">Media</a></li>
26         <li><a href="#form">Contact</a></li>
27     </ul>
28 </nav>
29
30 <section id="home">
31     <article>
32         <h2>About This Page</h2>
33         <p>This webpage demonstrates HTML5 structure, CSS styling, and form interaction.</p>
34     </article>
35 </section>

```

```

<section id="media">
    <h2>Embedded Video</h2>
    <video controls>
        <source src="C:\Users\hafiz\Downloads\ZIKIR PAGI DAN PETANG.mp4" type="video/mp4">
        Your browser does not support HTML5 video.
    </video>
    <p style="text-align:center;"><em>Caption: Example of an embedded video element.</em></p>
</section>

<section id="form">
    <h2>Contact Form</h2>
    <form>
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>

        <label>Gender:</label>
        <input type="radio" name="gender" value="male"> Male
        <input type="radio" name="gender" value="female"> Female

        <label>Hobbies:</label>
        <input type="checkbox" name="hobby" value="reading"> Reading
        <input type="checkbox" name="hobby" value="sports"> Sports
        <input type="checkbox" name="hobby" value="music"> Music

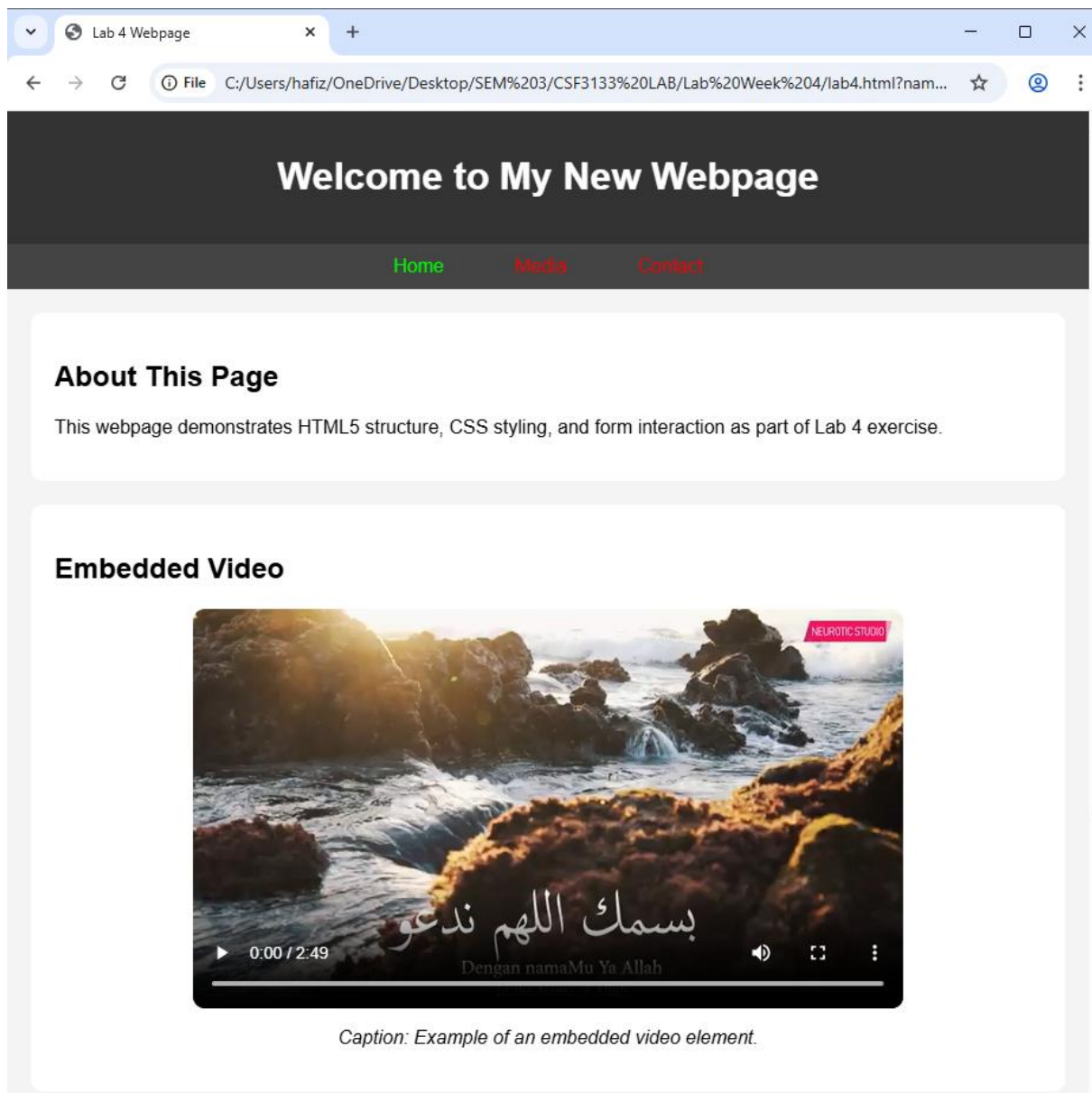
        <button type="submit">Submit</button>
    </form>
</section>

<footer>
    <p>&copy; 2025 Iman Hafizi</p>
</footer>

</body>
</html>

```

Output



Contact Form

Name:

Email:

Gender:

Male ☐

Female ☐

Hobbies:

Reading ☐

Sports ☐

Music ☐

Submit