



FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

WEB-BASED INTERFACE DESIGN

CSF3133

SEMESTER 1 SESSION 2025/2026

**BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH
HONOURS**

LAB MODULE 4

NAME	NO. MATRIC
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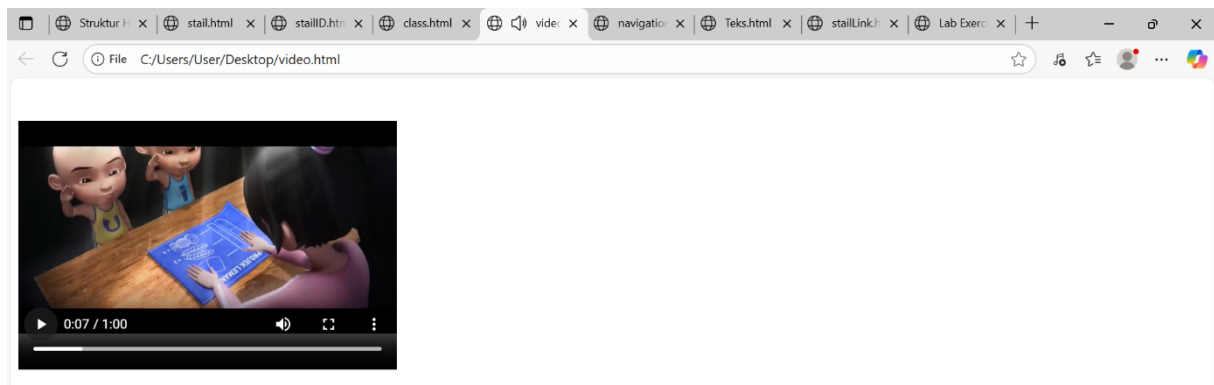
4.2 Page Structure Elements

Output:



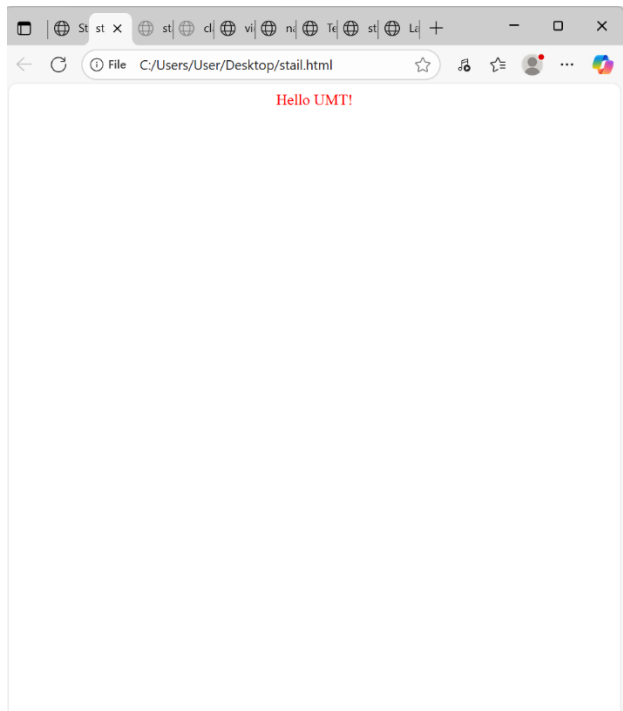
4.3 Insert Video into HTML5 Document

Output:



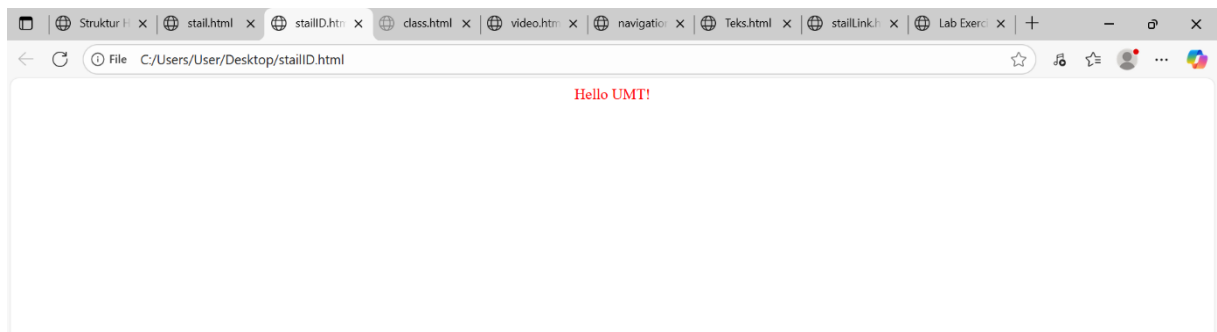
4.4 Cascading Style Sheets

Output:



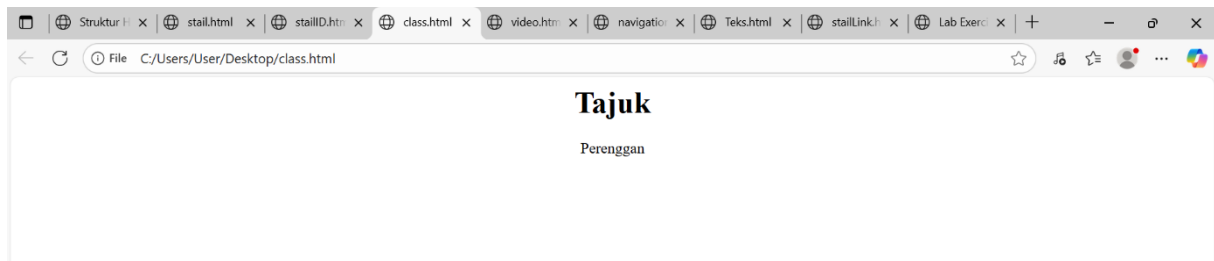
4.5.2 Recognize ID and Selector Class

Output:



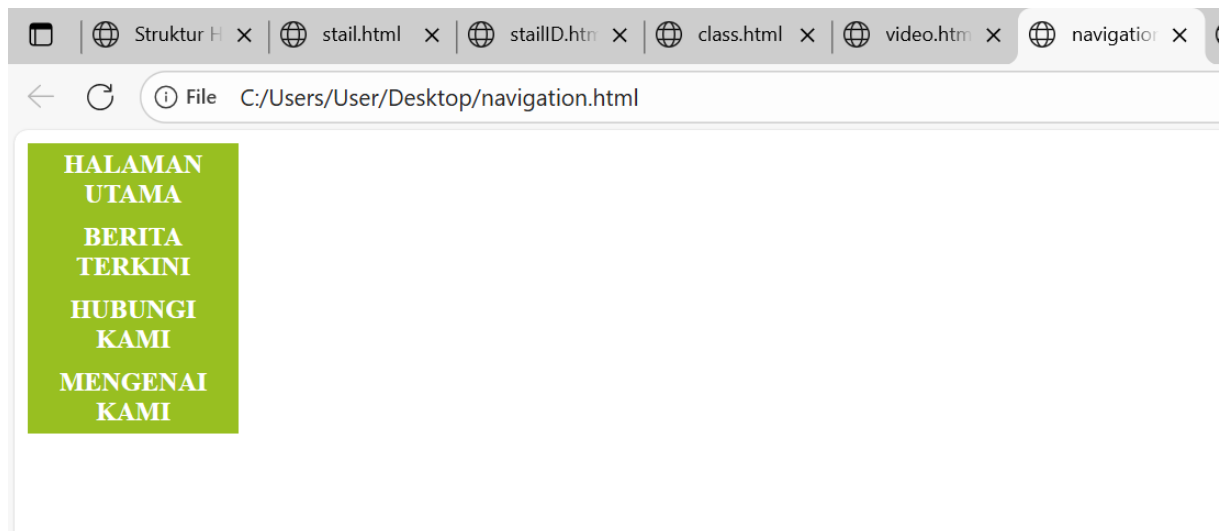
4.5.5 Class.html

Output:



4.6 Navigation Bar using CSS

Output:



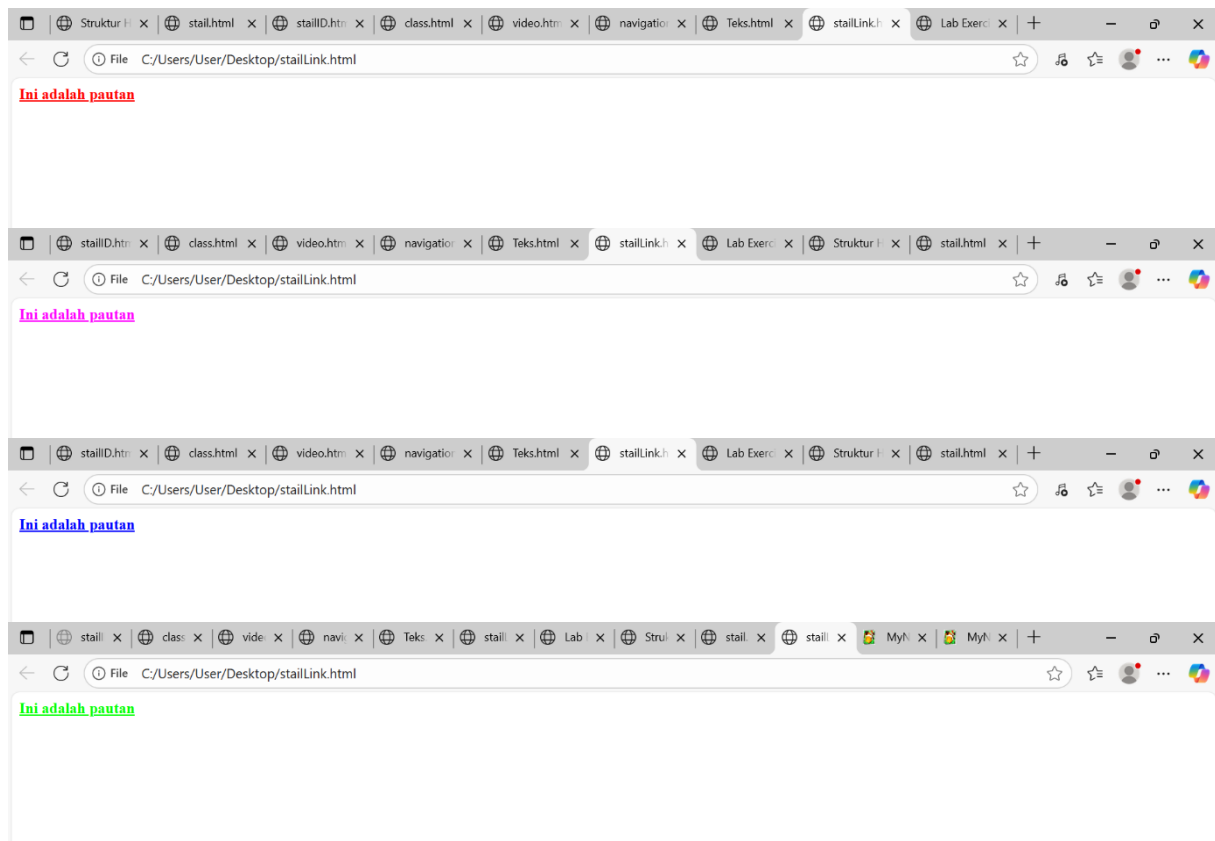
4.7 Recognizing Text Decoration

Output:



4.8 Recognizing Styling Links

Output:



4.9 Lab Exercise 4

Source Code:

lab4.html

```
C:\Users\User\Desktop\lab4.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Structure.html video.html stail.html stailID.html class.html navigation.html Tekcs.html stailink.html lab4.html style.css
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 Exercise 4 - Responsive Webpage</title>
7
8 <!-- External CSS -->
9 <link rel="stylesheet" href="style.css">
10
11 <!-- Internal CSS -->
12 <style>
13     header h1 {
14         text-decoration: underline;
15         text-align: center;
16         color: #4a148c;
17     }
18
19     section h2 {
20         text-decoration: overline;
21         color: #6a1b9a;
22     }
23
24     footer p {
25         text-decoration: line-through;
26         color: gray;
27     }
28 </style>
29 </head>
30
31 <body>
32 <header>
33 <h1>Welcome to Farhani Webpage</h1>
34 <nav>
35 <ul>
36 <li><a href="#about">About</a></li>
37 <li><a href="#video">Video</a></li>
38 <li><a href="#form">Contact</a></li>
39 </ul>
40 </nav>
41 </header>
42
43 <main>
44 <section id="about">
45 <article>
46 <h2>About This Page</h2>
47 <p>
48     This webpage is created for <strong>Lab Exercise 4</strong> to demonstrate the use of
49     <em>HTML5 semantic structure, embedded media, forms, and CSS styling</em>.
50     The design is fully responsive and built using modern web principles.
51 </p>
52 </article>
53 </section>
54
55 <section id="video">
56 <h2>Watch This Video</h2>
57 <video controls width="100%">
58 <source src="upinipin.mp4" type="video/mp4">
59 <track src="caption.vtt" kind="captions" srclang="en" label="English">
60 Your browser does not support HTML5 video.
61 </video>
62 <p><em>Video: A demonstration of creativity and web design principles.</em></p>
63 </section>
64
65 <section id="form">
66 <h2>Contact Form</h2>
67 <form action="#" method="post">
68 <label for="name">Name:</label><br>
69 <input type="text" id="name" name="name" required><br><br>
70
71 <label for="email">Email:</label><br>
72 <input type="email" id="email" name="email" required><br><br>
73
74 <label>Gender:</label><br>
75 <input type="radio" id="male" name="gender" value="Male">
76 <label for="male">Male</label>
77 <input type="radio" id="female" name="gender" value="Female">
78 <label for="female">Female</label><br><br>
79
80 <label>Favorite Hobbies:</label><br>
81 <input type="checkbox" id="reading" name="hobby" value="Reading">
82 <label for="reading">Reading</label>
83 <input type="checkbox" id="music" name="hobby" value="Music">
84 <label for="music">Music</label>
85 <input type="checkbox" id="sports" name="hobby" value="Sports">
```

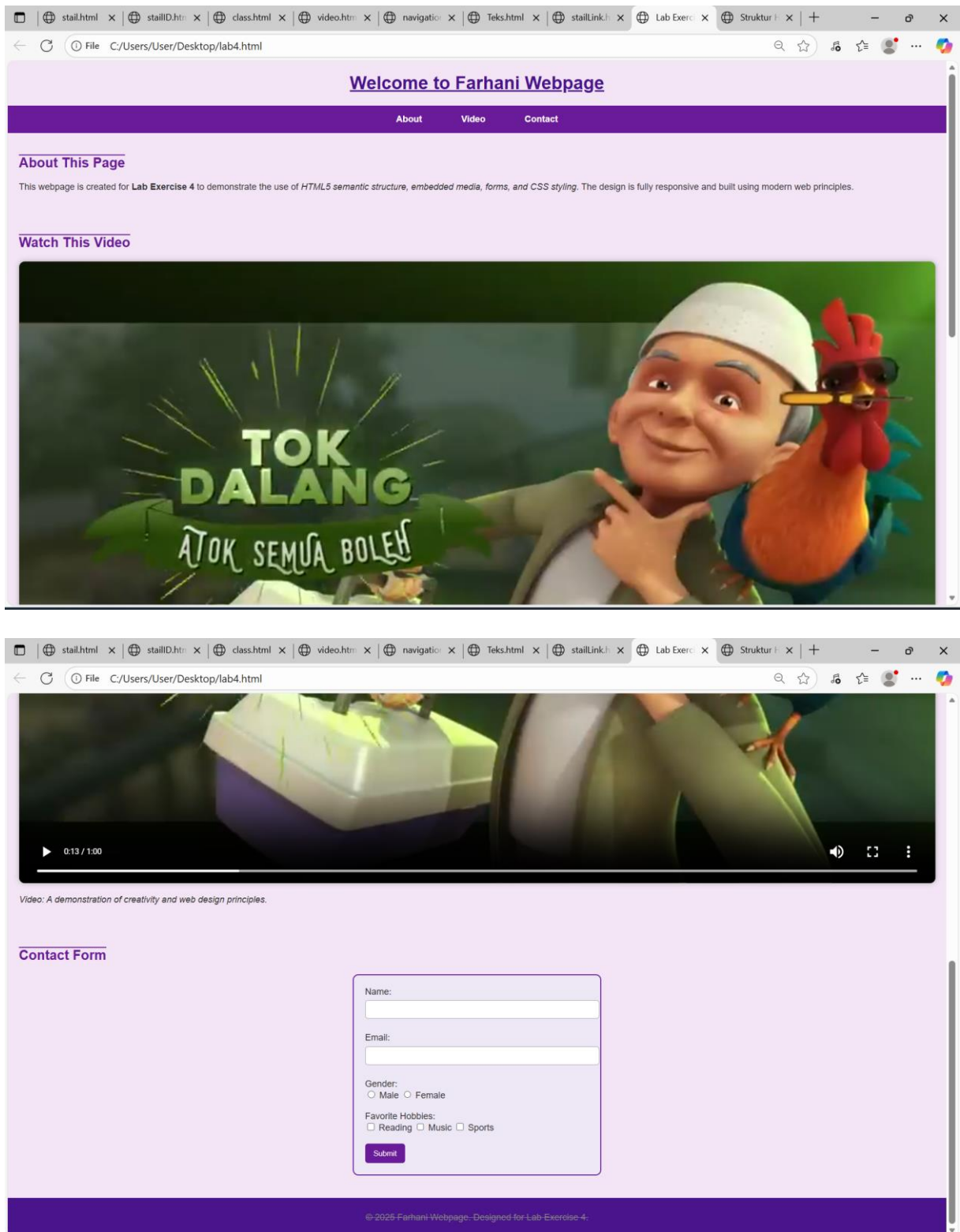
```
CAUsers\User\Desktop\lab4.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Structure.html video.html stail.html stailID.html class.html navigation.html Teks.html stailLink.html lab4.html style.css
61 </video>
62 <p><em>Video: A demonstration of creativity and web design principles.</em></p>
63 </section>
64
65 <section id="form">
66 <h2>Contact Form</h2>
67 <form action="#" method="post">
68 <label for="name">Name:</label><br>
69 <input type="text" id="name" name="name" required><br><br>
70
71 <label for="email">Email:</label><br>
72 <input type="email" id="email" name="email" required><br><br>
73
74 <label>Gender:</label><br>
75 <input type="radio" id="male" name="gender" value="Male">
76 <label for="male">Male</label>
77 <input type="radio" id="female" name="gender" value="Female">
78 <label for="female">Female</label><br><br>
79
80 <label>Favorite Hobbies:</label><br>
81 <input type="checkbox" id="reading" name="hobby" value="Reading">
82 <label for="reading">Reading</label>
83 <input type="checkbox" id="music" name="hobby" value="Music">
84 <label for="music">Music</label>
85 <input type="checkbox" id="sports" name="hobby" value="Sports">
86 <label for="sports">Sports</label><br><br>
87
88 <input type="submit" value="Submit">
89 </form>
90 </section>
91 </main>
92
93 <footer>
94 <p><small>©copy; 2025 Farhani Webpage. Designed for Lab Exercise 4.</small></p>
95 </footer>
96 </body>
97 </html>
Hyper Text Markup Language file length: 2,888 lines: 97 Ln: 31 Col: 7 Pos: 612 Windows (CR LF) UTF-8 INS
11:10 AM 12/11/2025
```

style.css

```
CAUsers\User\Desktop\style.css - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Structure.html video.html stail.html stailID.html class.html navigation.html Teks.html stailLink.html lab4.html style.css
1 /* General Page Styling */
2 body {
3   font-family: Arial, sans-serif;
4   margin: 0;
5   padding: 0;
6   background-color: #f3e5f5;
7   color: #333;
8 }
9
10 /* Navigation Bar */
11 nav ul {
12   list-style-type: none;
13   background-color: #6ab99a;
14   padding: 0;
15   margin: 0;
16   overflow: hidden;
17   display: flex;
18   justify-content: center;
19 }
20
21 nav li {
22   margin: 0 15px;
23 }
24
25 nav a {
26   display: block;
27   color: white;
28   text-decoration: none;
29   padding: 15px 20px;
30   font-weight: bold;
31   border-radius: 8px;
32   transition: background-color 0.3s;
33 }
34
35 /* Link States */
36 nav a:hover {
37   background-color: #9c27b0;
38   text-decoration: underline;
39 }
40
41 nav a:visited {
42   color: #e1bee7;
43 }
```

```
CAUsers\User\Desktop\style.css - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Structure.html video.html stail.html stailID.html class.html navigation.html teks.html stailLink.html lab4.html style.css
43 }
44
45 nav a:active {
46     background-color: #4a148c;
47 }
48
49 /* Sections */
50 section {
51     padding: 20px;
52 }
53
54 video {
55     border-radius: 10px;
56     box-shadow: 0 0 10px rgba(0,0,0,0.3);
57 }
58
59 /* Form Styling */
60 form {
61     background-color: #ede7f6;
62     border: 2px solid #6a1b9a;
63     padding: 20px;
64     border-radius: 10px;
65     max-width: 400px;
66     margin: auto;
67 }
68
69 form input[type="text"],
70 form input[type="email"] {
71     width: 100%;
72     padding: 8px;
73     margin: 6px 0;
74     border-radius: 5px;
75     border: 1px solid #aaa;
76 }
77
78 form input[type="submit"] {
79     background-color: #6a1b9a;
80     color: white;
81     border: none;
82     padding: 10px 15px;
83     border-radius: 5px;
84     cursor: pointer;
85 }
86
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