



FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

WEB-BASED INTERFACE DESIGN

CSF3133

SEMESTER 1 SESSION 2025/2026

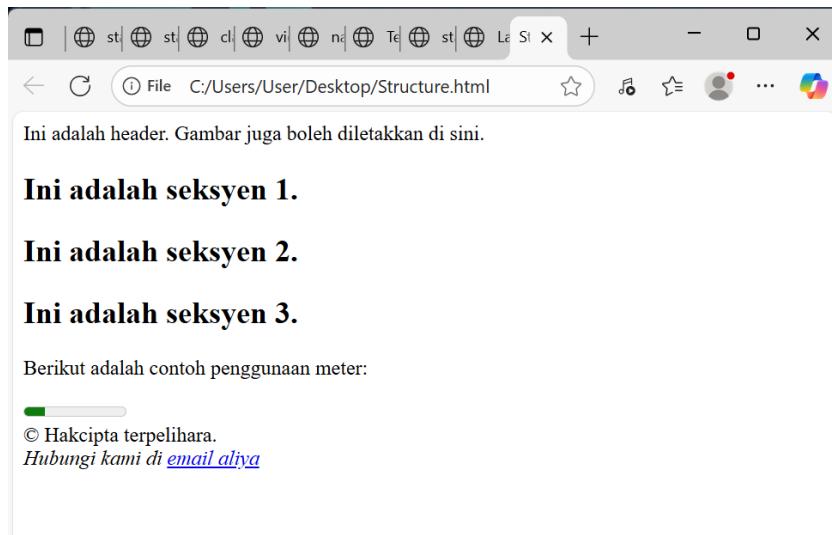
BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH
HONOURS

LAB MODULE 4

NAME	NO. MATRIC
NUR ALIYA FARHANI BINTI MOHD NASRI	S75663

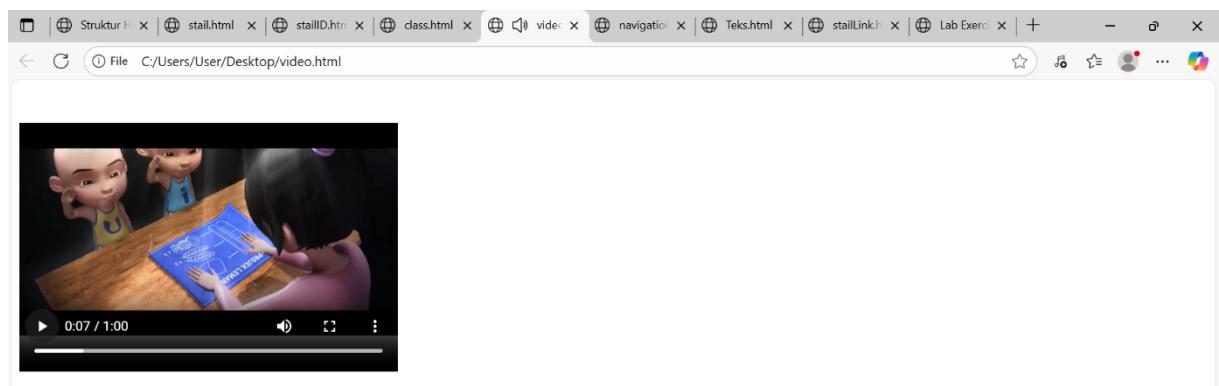
4.2 Page Structure Elements

Output:



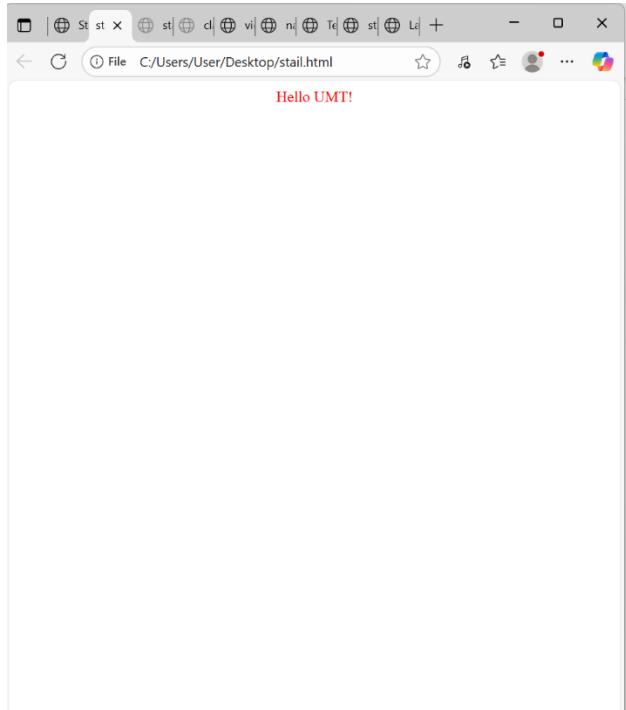
4.3 Insert Video into HTML5 Document

Output:



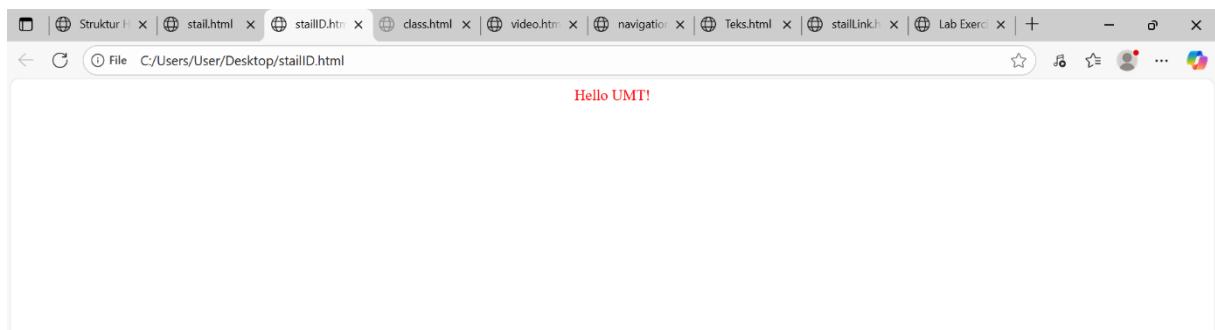
4.4 Cascading Style Sheets

Output:



4.5.2 Recognize ID and Selector Class

Output:



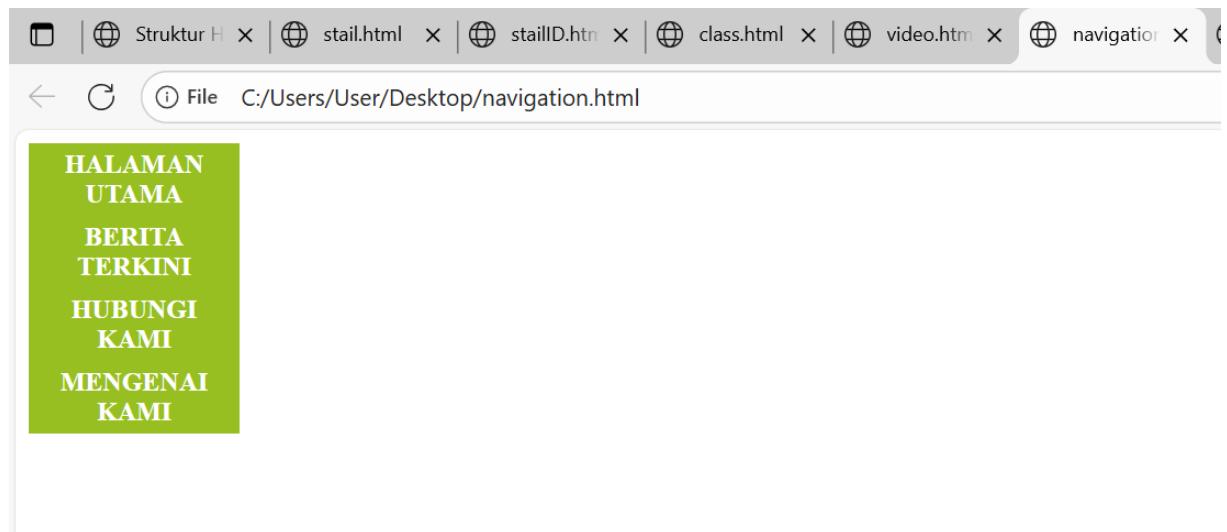
4.5.5 Class.html

Output:



4.6 Navigation Bar using CSS

Output:



4.7 Recognizing Text Decoration

Output:

The screenshot shows a browser window with the address bar set to C:/Users/User/Desktop/Teks.html. The page content displays several text elements with different styles:

- This is heading 1** (Large, bold black font)
- This is heading 2** (Medium, bold black font)
- This is heading 3** (Medium, bold black font with underline)
- This is heading 4** (Medium, bold black font)

A note at the bottom states: "Note: The 'blink' value is not supported in IE, Chrome, or Safari."

4.8 Recognizing Styling Links

Output:

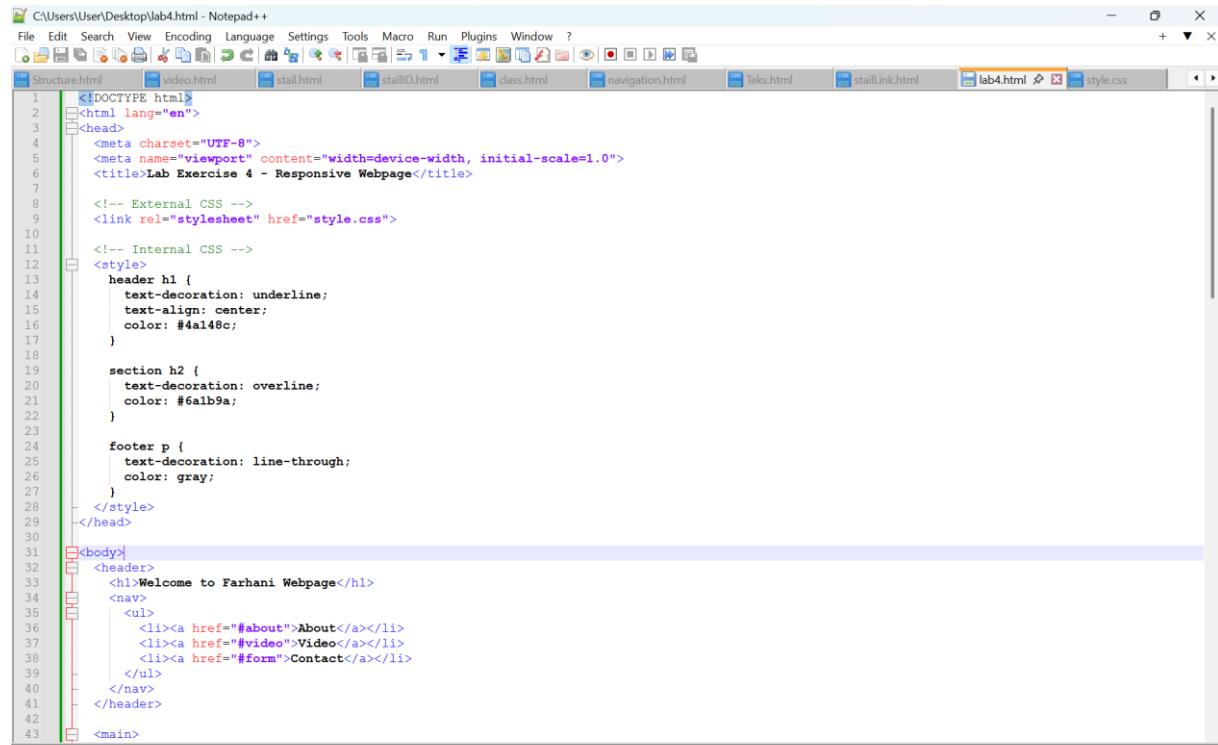
The screenshots show three separate browser windows, each with the address bar set to C:/Users/User/Desktop/stailLink.html. Each window displays a single link element with different styling:

- The first window shows the link in red.
- The second window shows the link in purple.
- The third window shows the link in blue.

4.9 Lab Exercise 4

Source Code:

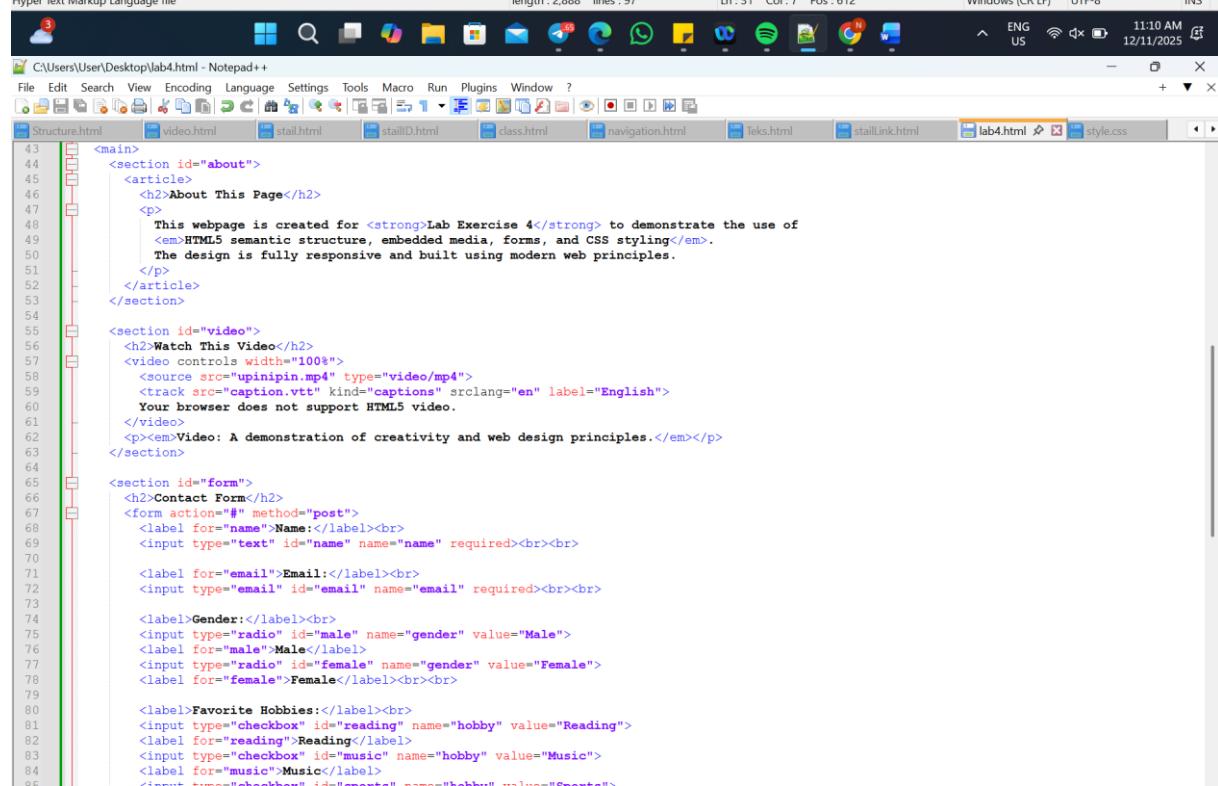
lab4.html



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab Exercise 4 - Responsive Webpage</title>
    <!-- External CSS -->
    <link rel="stylesheet" href="style.css">
    <!-- Internal CSS -->
    <style>
        header h1 {
            text-decoration: underline;
            text-align: center;
            color: #4a148c;
        }

        section h2 {
            text-decoration: overline;
            color: #6a1b9a;
        }

        footer p {
            text-decoration: line-through;
            color: gray;
        }
    </style>
</head>
<body>
    <header>
        <h1>Welcome to Farhani Webpage</h1>
        <nav>
            <ul>
                <li><a href="#about">About</a></li>
                <li><a href="#video">Video</a></li>
                <li><a href="#form">Contact</a></li>
            </ul>
        </nav>
    </header>
    <main>
```



```
        <section id="about">
            <article>
                <h2>About This Page</h2>
                <p>
                    This webpage is created for <strong>Lab Exercise 4</strong> to demonstrate the use of
                    <em>HTML5 semantic structure, embedded media, forms, and CSS styling</em>.
                    The design is fully responsive and built using modern web principles.
                </p>
            </article>
        </section>

        <section id="video">
            <h2>Watch This Video</h2>
            <video controls width="100%">
                <source src="upinipin.mp4" type="video/mp4">
                <track src="caption.vtt" kind="captions" srclang="en" label="English">
                    Your browser does not support HTML5 video.
            </video>
            <p><em>Video: A demonstration of creativity and web design principles.</em></p>
        </section>

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

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

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

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



C:\Users\User\Desktop\lab4.html - Notepad++

```

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>&copy; 2025 Farhani Webpage. Designed for Lab Exercise 4.</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

ENG US 11:10 AM 12/11/2025

style.css

C:\Users\User\Desktop\style.css - Notepad++

```

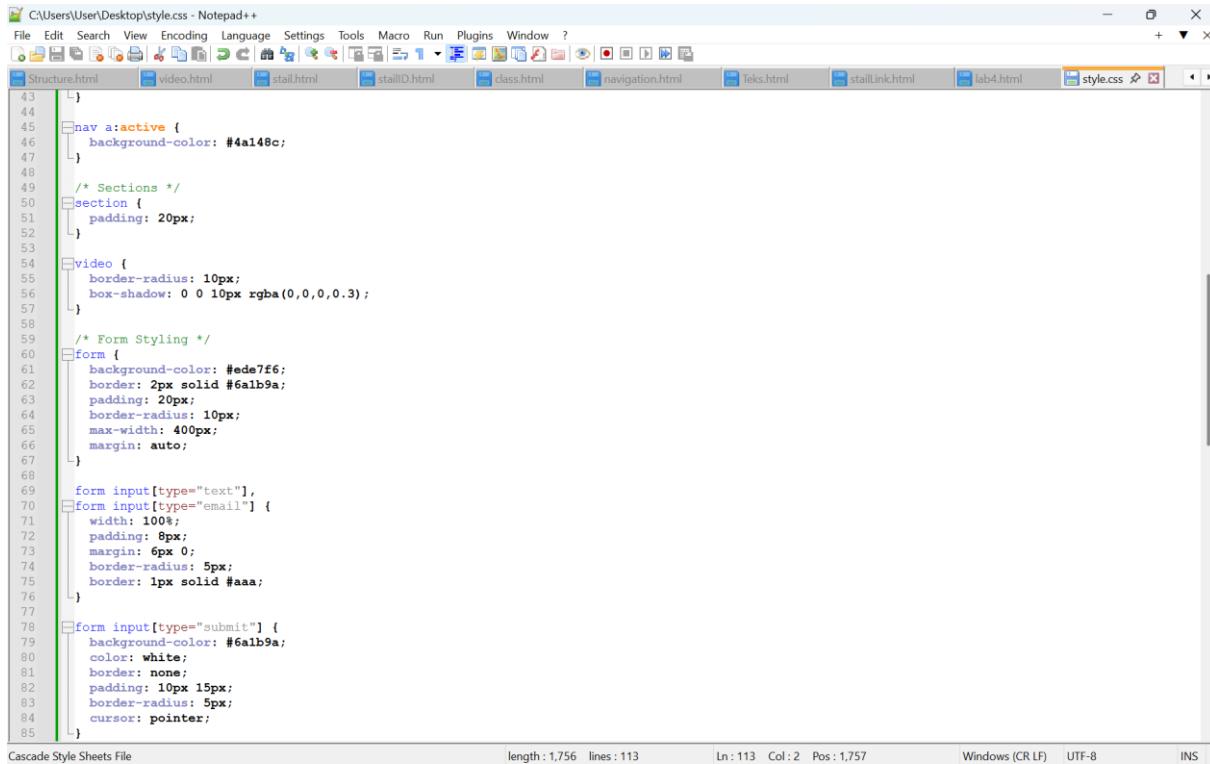
1  /* General Page Styling */
2  body {
3    font-family: Arial, sans-serif;
4    margin: 0;
5    padding: 0;
6    background-color: #f3e5f5;
7    color: #333;
8  }
9
10 /* Navigation Bar */
11 nav ul {
12   list-style-type: none;
13   background-color: #6a8b9a;
14   padding: 0;
15   margin: 0;
16   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 }

```

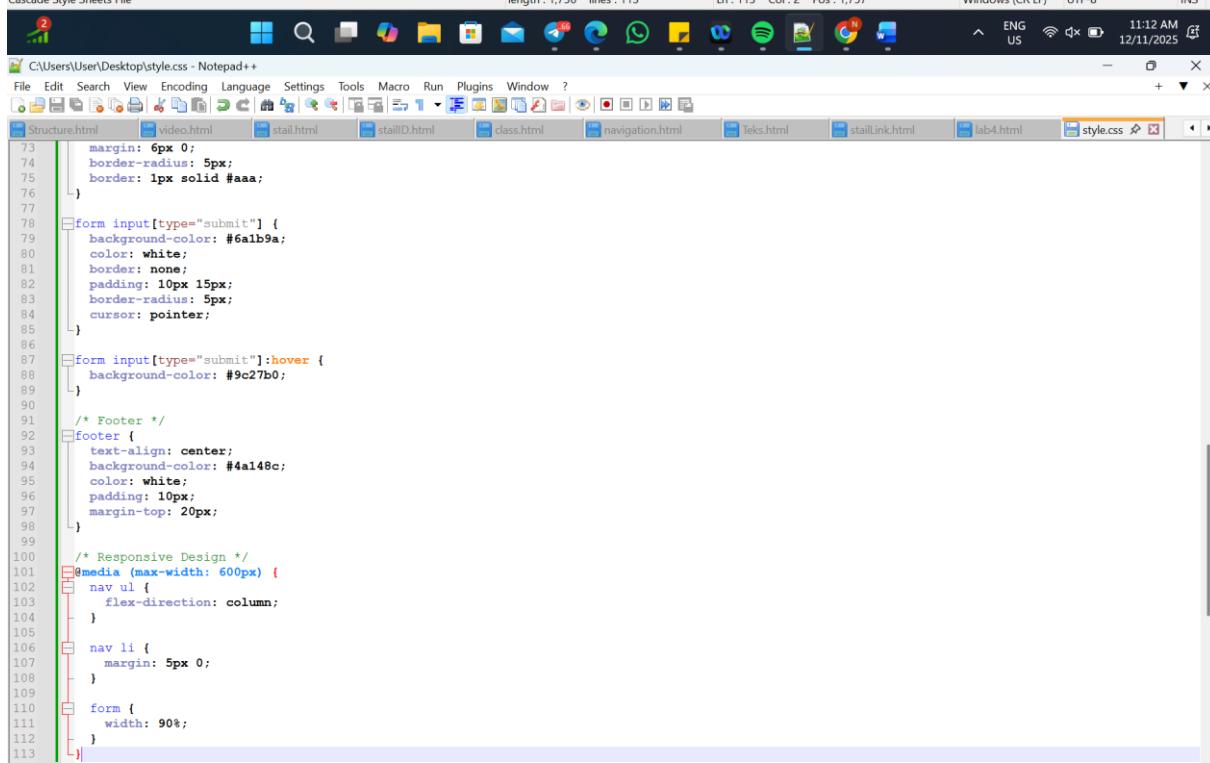
Cascade Style Sheets File

length : 1,756 lines : 113 Ln : 113 Col : 2 Pos : 1,757 Windows (CR LF) UTF-8 INS

ENG US 11:12 AM 12/11/2025



```
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: #edc7f6;
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 }
```



```
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
87 form input[type="submit"]:hover {
88   background-color: #9c27b0;
89 }
90
91 /* Footer */
92 footer {
93   text-align: center;
94   background-color: #4a148c;
95   color: white;
96   padding: 10px;
97   margin-top: 20px;
98 }
99
100 /* Responsive Design */
101 @media (max-width: 600px) {
102   nav ul {
103     flex-direction: column;
104   }
105
106   nav li {
107     margin: 5px 0;
108   }
109
110   form {
111     width: 90%;
112   }
113 }
```



```
length : 1,756 lines : 113 Ln: 113 Col: 2 Pos : 1,757 Windows (CR LF) UTF-8 INS
11:12 AM 12/11/2025
```

Output:

Screenshot of a web browser showing the "Welcome to Farhani Webpage".

The page features a purple header with navigation links for "About", "Video", and "Contact".

About This Page
This webpage is created for **Lab Exercise 4** to demonstrate the use of *HTML5 semantic structure, embedded media, forms, and CSS styling*. The design is fully responsive and built using modern web principles.

Watch This Video



A video player window is displayed, showing a scene from a cartoon. The video is at 0:13 / 1:00. The scene shows a character's legs and feet, one wearing a green boot and the other a purple boot, standing on a surface.

Video: A demonstration of creativity and web design principles.

Contact Form

Name:

Email:

Gender:
 Male Female

Favorite Hobbies:
 Reading Music Sports

©2020 Farhani Webpage. Designed for Lab Exercise 4.

About

About

