



**FACULTY OF COMPUTER SCIENCE AND MATHEMATICS**

WEB-BASED INTERFACE DESIGN

CSF3133

SEMESTER 1 SESSION 2025/2026

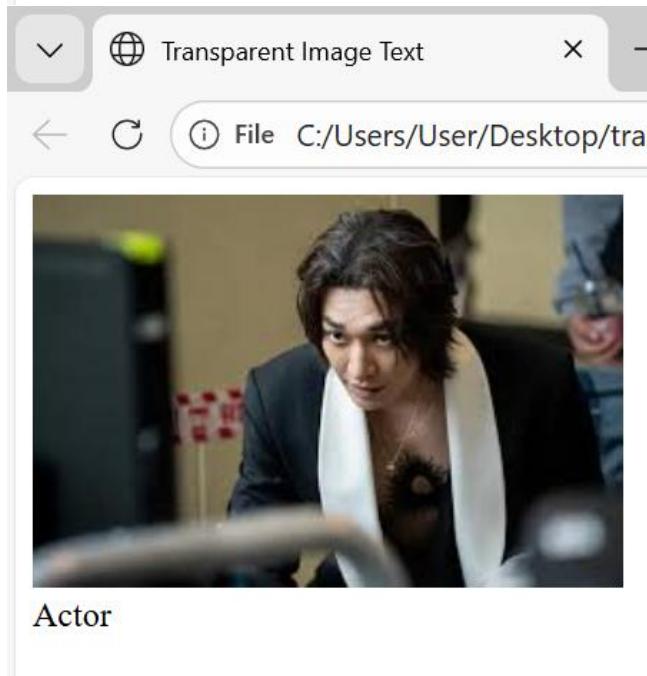
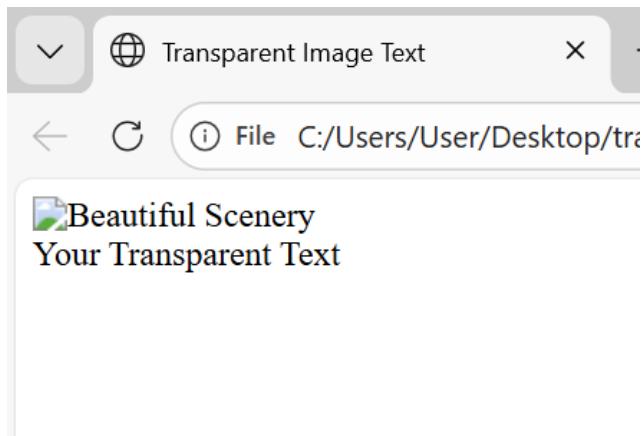
BACHELOR OF COMPUTER SCIENCE (SOFTWARE ENGINEERING) WITH  
HONOURS

**LAB MODULE 7**

NAME	NO. MATRIC
NUR ALIYA FARHANI BINTI MOHD NASRI	S75663

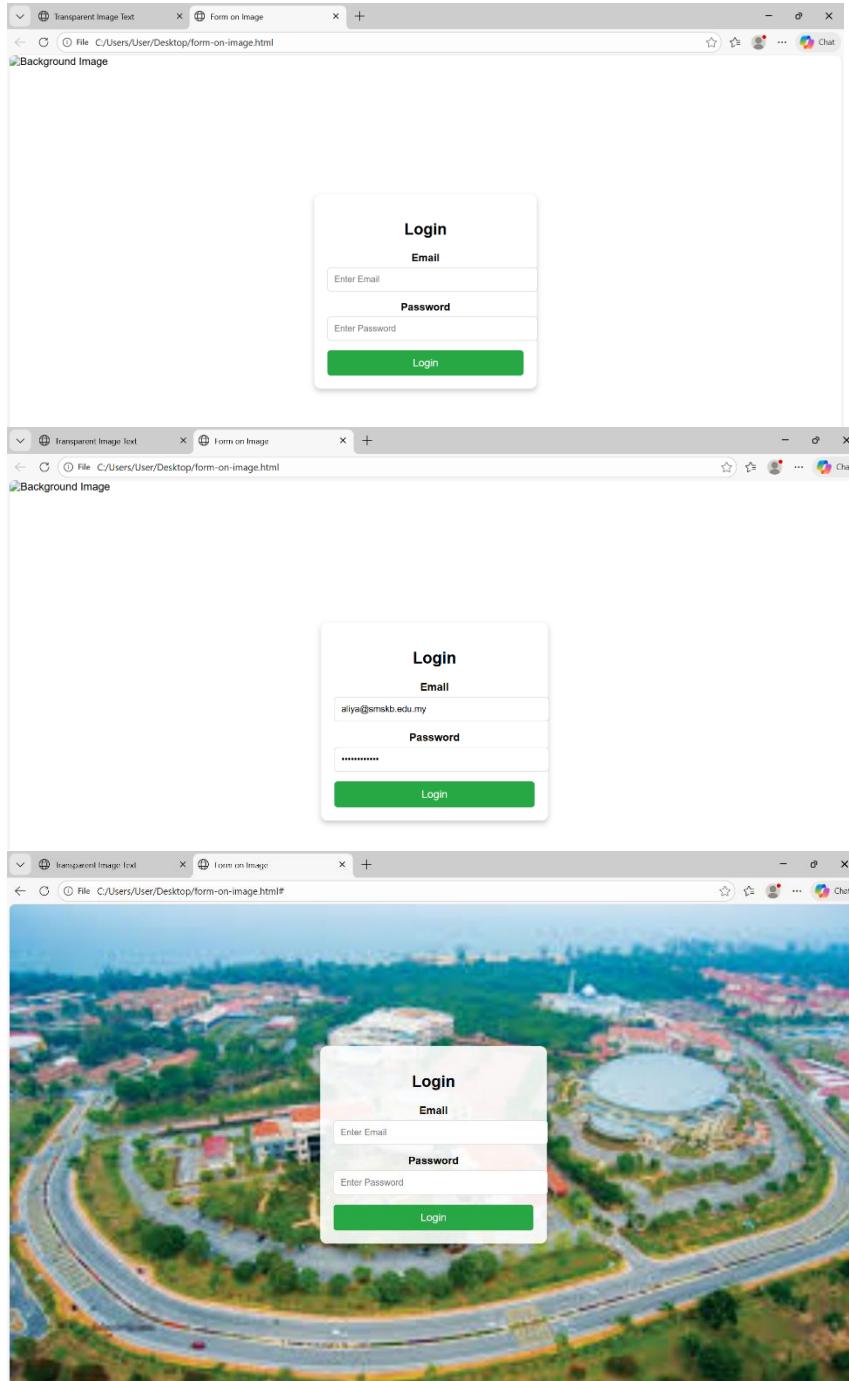
## 7.1 Create a Transparent Image Text

Output:



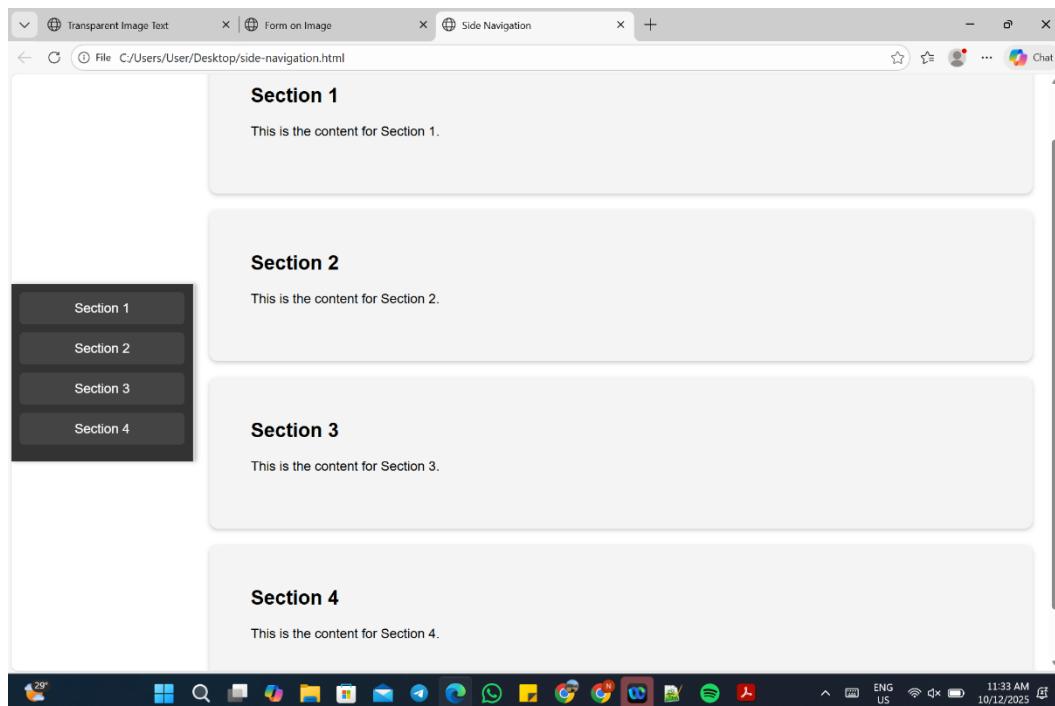
## 7.2 Create a Form on Image

Output:



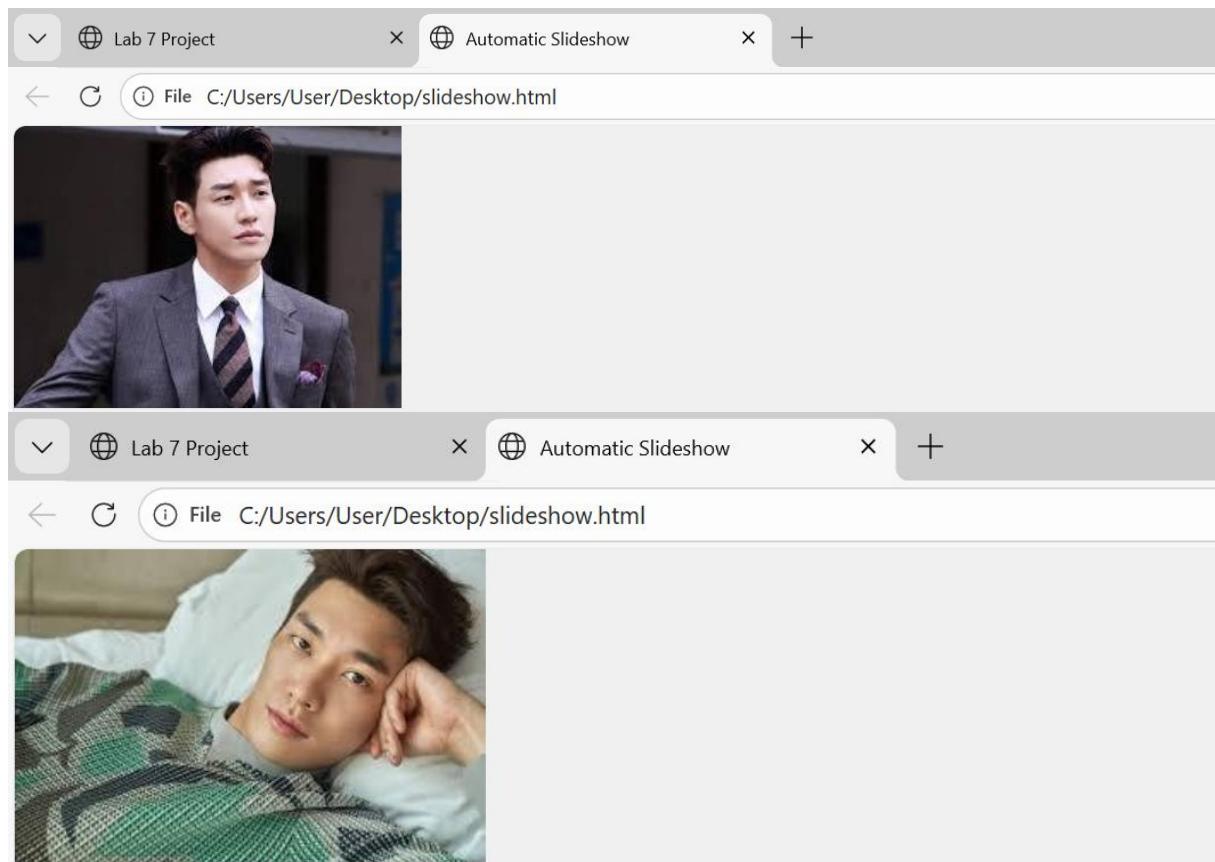
## 7.3 Create a Side Navigation Buttons

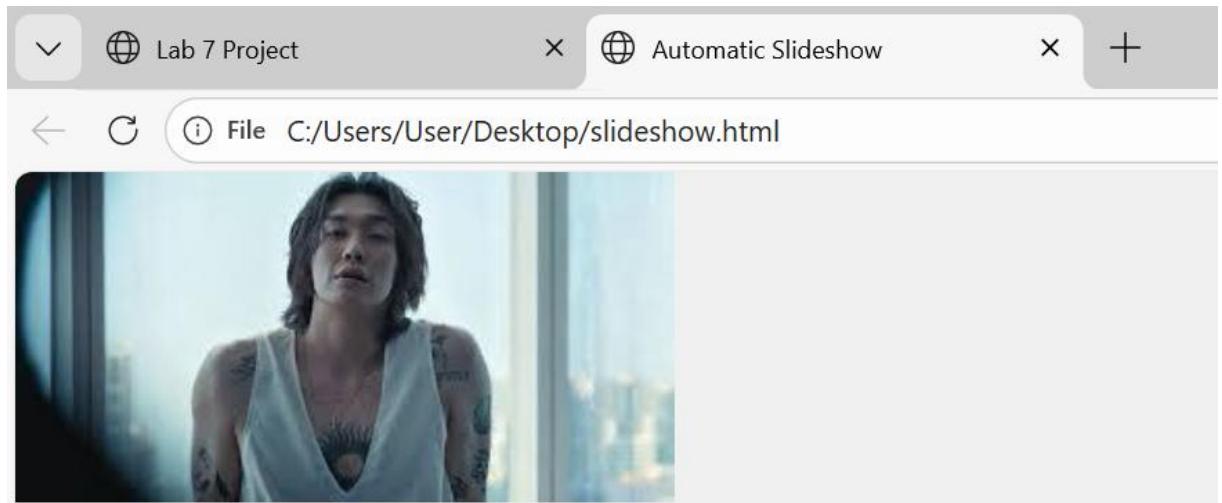
Output:



## 7.4 Create Automatic Slideshow

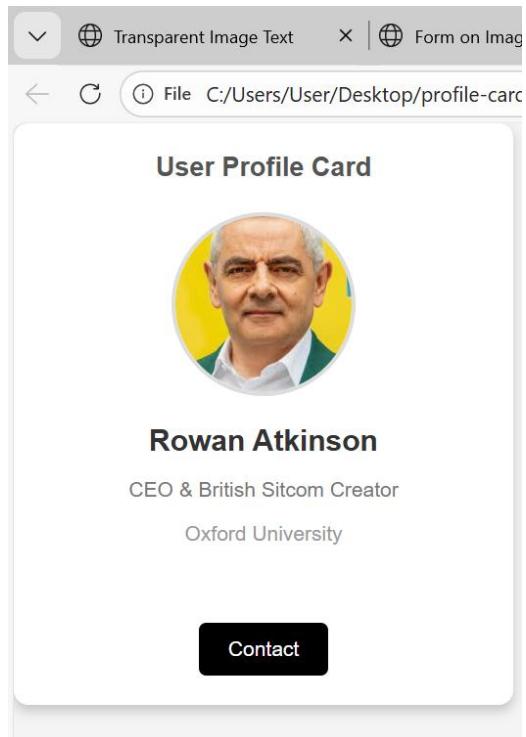
Output:





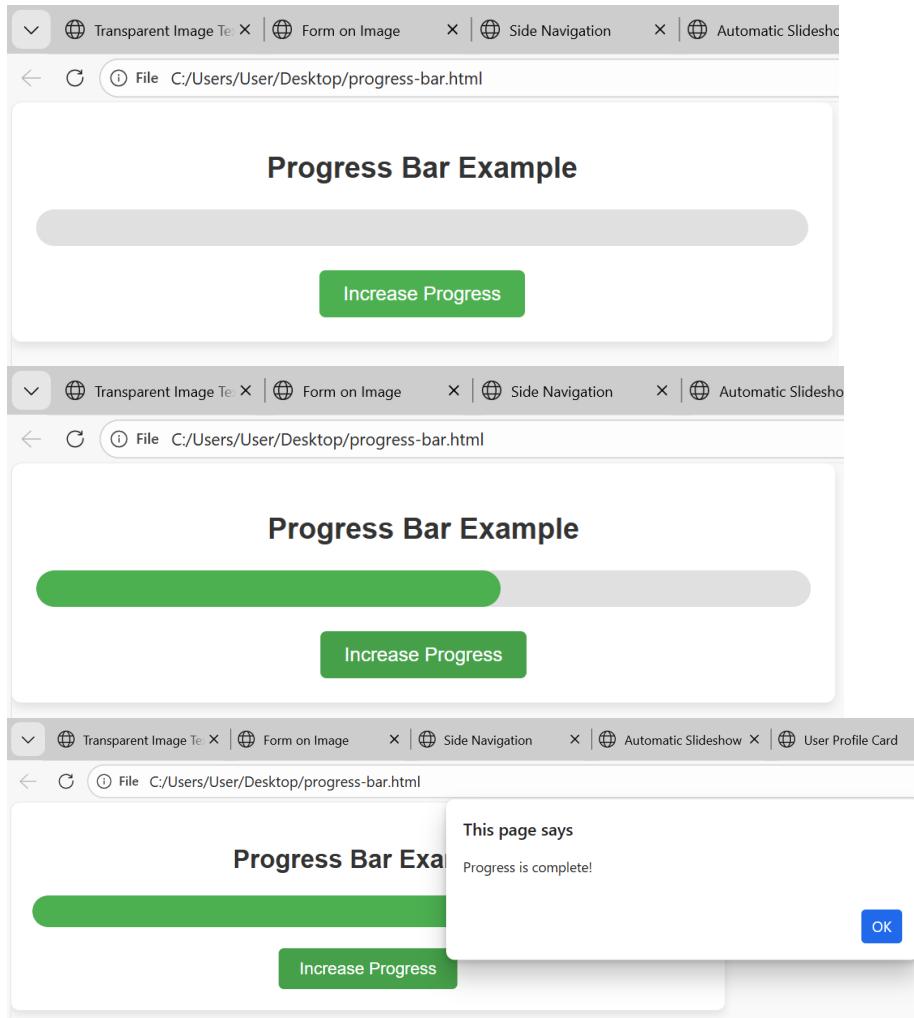
## 7.5 Create Profile Card

Output:



## 7.6 Create Progress Bar

Output:



## 7.7 Create A Collapsible

Output:

The screenshot shows a web browser window with the title bar "Transparent Image X | Form on Image X | Side Navigation X | Automatic Slides X | User I". Below the title bar, the address bar shows the file path "File C:/Users/User/Desktop/collapsible.html". The main content area displays the heading "Collapsible Example" and a blue button labeled "Click to Expand/Collapse". When the button is clicked, a gray box appears containing the text: "This is the collapsible content. Click the button above to toggle between showing and hiding this section. You can add more content here."

## 7.8 Lab Exercise 7

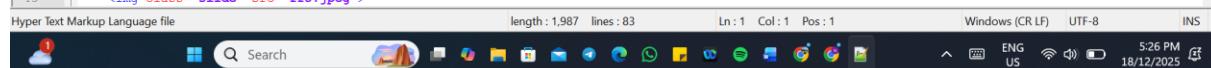
Source Code:

### index.html

```
C:\Users\User\Desktop\lab7.html - Notepad++  
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?  
CustomBootstrap.css ThemedEg.html ThemedEg.css lab8.html lab8.css lab7.html lab7.js lab7.css new 1  
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 7 Project</title>  
7 <link rel="stylesheet" href="style.css">  
8 <link rel="stylesheet"  
9 href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">  
10 </head>  
11 <body>  
12 <!-- HEADER -->  
13 <header class="header">  
14 <h1>Welcome to My Web</h1>  
15 <p>Hey</p>  
16 </header>  
17 <!-- IMAGE TEXT -->  
18 <section class="image-container">  
19   
20 <div class="overlay-text">Explore Your Future</div>  
21 </section>  
22 <!-- FORM -->  
23 <section class="form-section">  
24   
25 <div class="form-box">  
26 <h2>Login</h2>  
27 <input type="email" placeholder="Email">  
28 <input type="password" placeholder="Password">  
29 <button>Login</button>  
30 </div>  
31 </section>  
32 <!-- SLIDESHOW -->  
33 <section class="section">  
34 <h2>Gallery</h2>  
35 <div class="slideshow-container">  
36   
37   
38   
39 </div>  
40 </section>
```



```
Hyper Text Markup Language file length : 1,987 lines : 83 Ln : 1 Col : 9 Pos : 429 Windows (CR LF) UTF-8 INS  
C:\Users\User\Desktop\index (2).html - Notepad++  
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?  
CustomBootstrap.css ThemedEg.html ThemedEg.css lab8.html lab8.css lab7.js lab7.css new 1 index (2).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 7 Project</title>  
7 <link rel="stylesheet" href="style.css">  
8 <link rel="stylesheet"  
9 href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">  
10 </head>  
11 <body>  
12 <!-- HEADER -->  
13 <header class="header">  
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15 <p>Hey</p>  
16 </header>  
17 <!-- IMAGE TEXT -->  
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20 <div class="overlay-text">Explore Your Future</div>  
21 </section>  
22 <!-- FORM -->  
23 <section class="form-section">  
24   
25 <div class="form-box">  
26 <h2>Login</h2>  
27 <input type="email" placeholder="Email">  
28 <input type="password" placeholder="Password">  
29 <button>Login</button>  
30 </div>  
31 </section>  
32 <!-- SLIDESHOW -->  
33 <section class="section">  
34 <h2>Gallery</h2>  
35 <div class="slideshow-container">  
36   
37   
38   
39 </div>  
40 </section>
```



C:\Users\User\Desktop\index (2).html - Notepad++

```

43     
44   </div>
45 </section>
46
47 <!-- PROFILE CARD -->
48 <section class="section">
49   <div class="profile-card">
50     
51     <h3>NUN ALIYA FARHANI</h3>
52     <p>Web Design Student</p>
53
54     <button onclick="toggleContact()">Contact</button>
55
56   <div id="contact-info">
57     <p><i class="fa fa-phone"></i> 017-5475005</p>
58     <p><i class="fa fa-envelope"></i> aliyafrhni@gmail.com</p>
59   </div>
60 </div>
61 </section>
62
63 <!-- PROGRESS -->
64 <section class="section">
65   <h2>Progress</h2>
66   <div class="progress-container">
67     <div id="progress-bar"></div>
68   </div>
69   <button onclick="increaseProgress()">Increase</button>
70 </section>
71
72 <!-- COLLAPSIBLE -->
73 <section class="section">
74   <button class="collapsible">More Info</button>
75   <div class="content">
76     <p>This is collapsible content.</p>
77   </div>
78 </section>
79
80 <script src="script.js"></script>
81 </body>
82 </html>
83

```

Hyper Text Markup Language file length : 1,987 lines : 83 Ln:1 Col:1 Pos:1 Windows (CR LF) UTF-8 INS

## style.css

C:\Users\User\Desktop\style (2).css - Notepad++

```

1 body {
2   font-family: Arial;
3   margin: 0;
4   background: linear-gradient(to right, #e3f2fd, #ffffde);
5   text-align: center;
6 }
7
8 /* HEADER */
9 .header {
10   background: #2196f3;
11   color: white;
12   padding: 30px;
13 }
14
15 /* IMAGE TEXT */
16 .image-container {
17   position: relative;
18 }
19 .image-container img {
20   width: 100%;
21   height: 400px;
22   object-fit: cover;
23 }
24 .overlay-text {
25   position: absolute;
26   top: 50%;
27   left: 50%;
28   transform: translate(-50%, -50%);
29   background: rgba(33,150,243,0.8);
30   color: white;
31   padding: 20px;
32   font-size: 30px;
33   border-radius: 10px;
34 }
35
36 /* FORM */
37 .form-section {
38   position: relative;
39 }
40 .form-section img {
41   width: 100%;
42   height: 400px;
43   object-fit: cover;

```

Cascade Style Sheets File length : 2,015 lines : 128 Ln:1 Col:1 Pos:1 Windows (CR LF) UTF-8 INS

```
C:\Users\User\Desktop\style (2).css - Notepad+
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
CustomBootstrap.css ThemedFg.html ThemedFg.css lab8.html lab8.css new 1 index (2).html style (2).css

43
44     object-fit: cover;
45
46     .form-box {
47         position: absolute;
48         top: 50%;
49         left: 50%;
50         transform: translate(-50%, -50%);
51         background: #fff;
52         padding: 25px;
53         border-radius: 10px;
54     }
55
56     /* SECTION */
57     .section {
58         padding: 40px;
59     }
60
61     /* SLIDESHOW */
62     .slideshow-container img {
63         width: 60px;
64         height: 300px;
65         display: none;
66         border-radius: 10px;
67     }
68
69     /* PROFILE */
70     .profile-card {
71         width: 300px;
72         margin: auto;
73         background: white;
74         padding: 20px;
75         border-radius: 15px;
76         box-shadow: 0 0 10px #aaa;
77     }
78     .profile-card img {
79         width: 120px;
80         border-radius: 50%;
81     }
82
83     /* BUTTON */
84     button {
85         background: #ffca28;
86         border: none;
87     }

length : 2,015 lines : 128 Ln : 1 Col : 1 Pos : 1 Windows (CR LF) UTF-8 INS
```

The screenshot shows a Windows desktop environment with various icons in the taskbar. The Notepad++ application is open, displaying a CSS file named 'style (2).css'. The code is a custom Bootstrap theme, featuring styles for buttons, contact info sections, progress bars, and collapsible content.

```
/* BUTTON */
button {
    background: #ffca28;
    border: none;
    padding: 10px 20px;
    border-radius: 8px;
    cursor: pointer;
    font-weight: bold;
}

button:hover {
    background: #ffc107;
}

/* CONTACT INFO */
#contact-info {
    display: none;
    margin-top: 15px;
    color: #333;
}

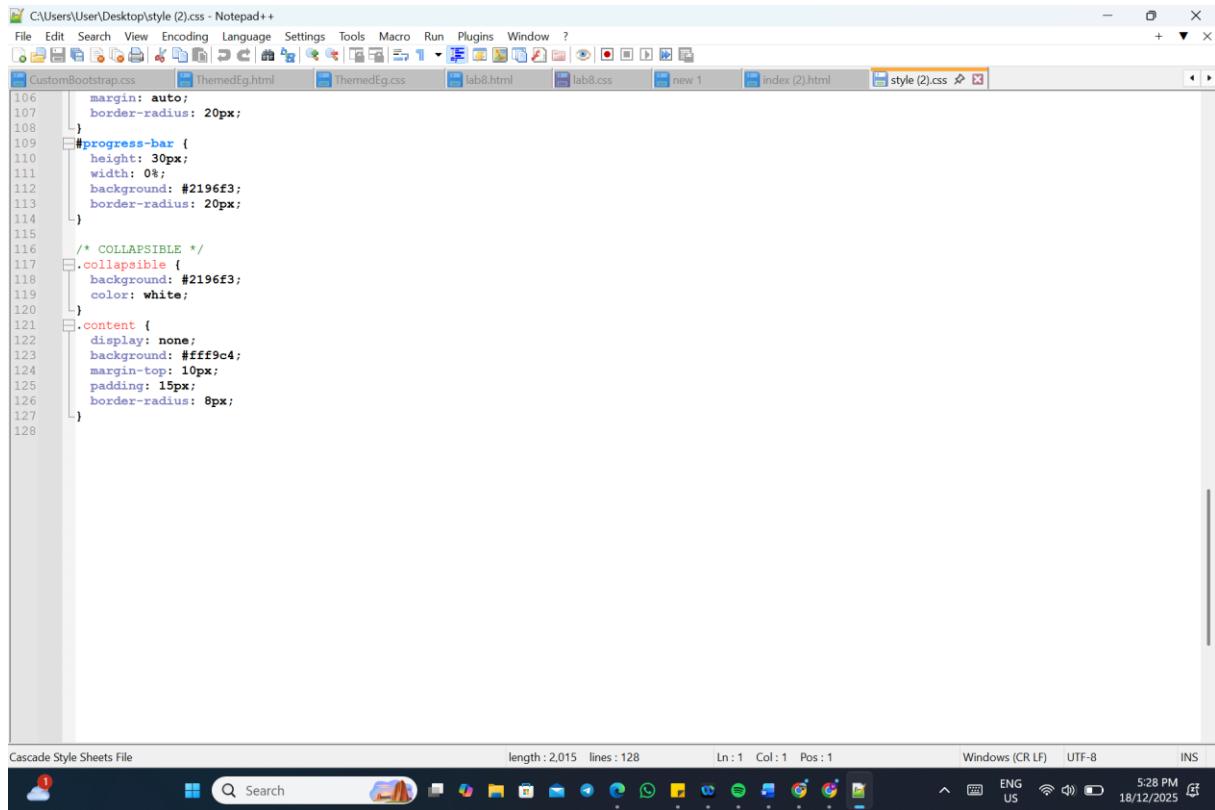
/* PROGRESS */
.progress-container {
    width: 60%;
    background: #ddd;
    margin: auto;
    border-radius: 20px;
}

#progress-bar {
    height: 30px;
    width: 0;
    background: #2196f3;
    border-radius: 20px;
}

/* COLLAPSIBLE */
.collapsible {
    background: #2196f3;
    color: white;
}

.content {
    display: none;
    background: #fff9c4;
    margin-top: 10px;
}
```

Cascade Style Sheets File length : 2,015 lines : 128 Ln : 1 Col : 1 Pos : 1 Windows (CR LF) UTF-8 INS



```

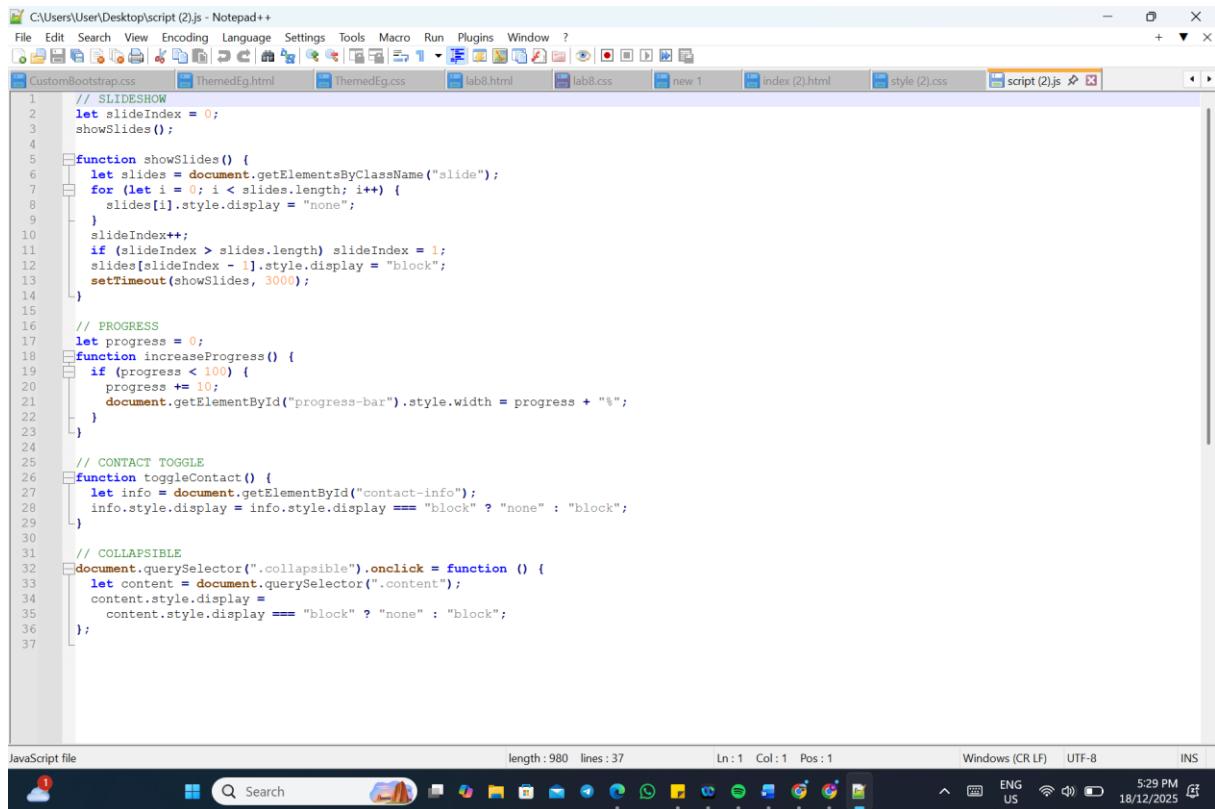
106     margin: auto;
107     border-radius: 20px;
108   }
109   #progress-bar {
110     height: 30px;
111     width: 0;
112     background: #2196f3;
113     border-radius: 20px;
114   }
115   /* COLLAPSIBLE */
116   .collapsible {
117     background: #2196f3;
118     color: white;
119   }
120   .content {
121     display: none;
122     background: #fff9c4;
123     margin-top: 10px;
124     padding: 15px;
125     border-radius: 8px;
126   }
127 }
128

```

Cascade Style Sheets File length : 2,015 lines : 128 Ln:1 Col:1 Pos:1 Windows (CR LF) UTF-8 INS

5:28 PM 18/12/2025 ENG US

## script.js



```

1 // SLIDESHOW
2 let slideIndex = 0;
3 showSlides();
4
5 function showSlides() {
6   let slides = document.getElementsByClassName("slide");
7   for (let i = 0; i < slides.length; i++) {
8     slides[i].style.display = "none";
9   }
10  slideIndex++;
11  if (slideIndex > slides.length) slideIndex = 1;
12  slides[slideIndex - 1].style.display = "block";
13  setTimeout(showSlides, 3000);
14 }
15
16 // PROGRESS
17 let progress = 0;
18 function increaseProgress() {
19   if (progress < 100) {
20     progress += 10;
21     document.getElementById("progress-bar").style.width = progress + "%";
22   }
23 }
24
25 // CONTACT TOGGLE
26 function toggleContact() {
27   let info = document.getElementById("contact-info");
28   info.style.display = info.style.display === "block" ? "none" : "block";
29 }
30
31 // COLLAPSIBLE
32 document.querySelector(".collapsible").onclick = function () {
33   let content = document.querySelector(".content");
34   content.style.display =
35     content.style.display === "block" ? "none" : "block";
36 };
37

```

JavaScript file length : 980 lines: 37 Ln:1 Col:1 Pos:1 Windows (CR LF) UTF-8 INS

5:29 PM 18/12/2025 ENG US

Output:

Lab 7 Project

File C:/Users/User/Desktop/lab7.html

## Welcome to My Web

Hy



### Login

Search 5:23 PM 18/12/2025

Lab 7 Project

File C:/Users/User/Desktop/lab7.html

### Login

Email  Password  Login

### Gallery



### NUR ALIYA FARHANI

Web Design Student

Contact

017-5475005

aliyafrhni@gmail.com

5:23 PM 18/12/2025

