



LAB MODULE 7 CSF3133 – Web-based Interface Design

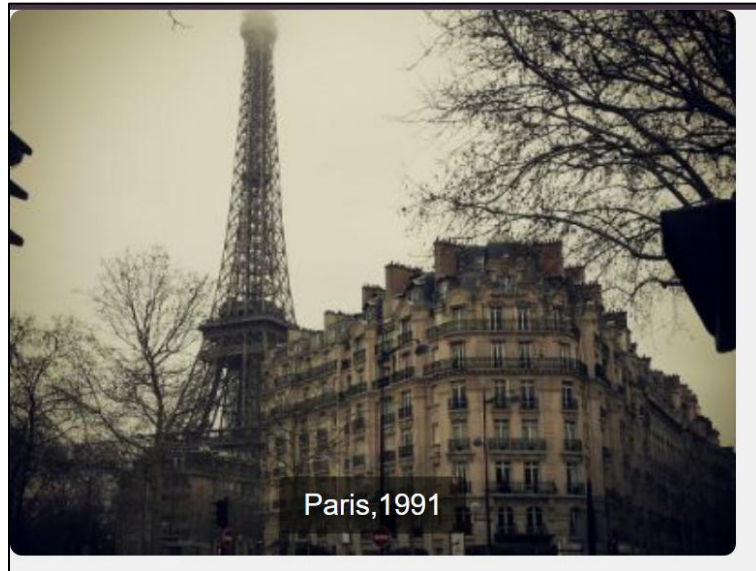
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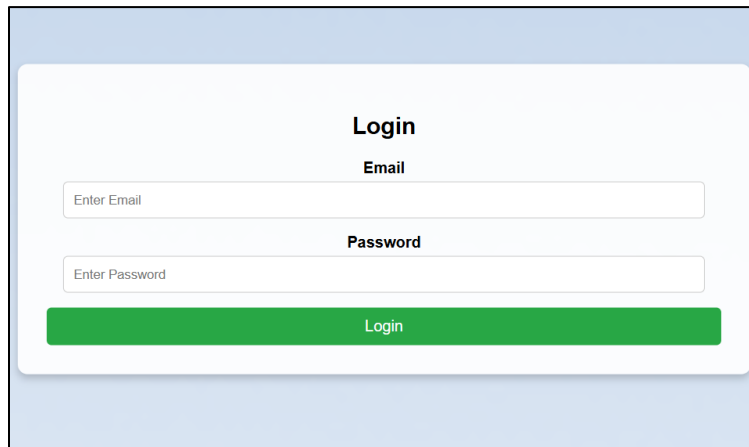
7.1 Create a Transparent Image Text

Output:



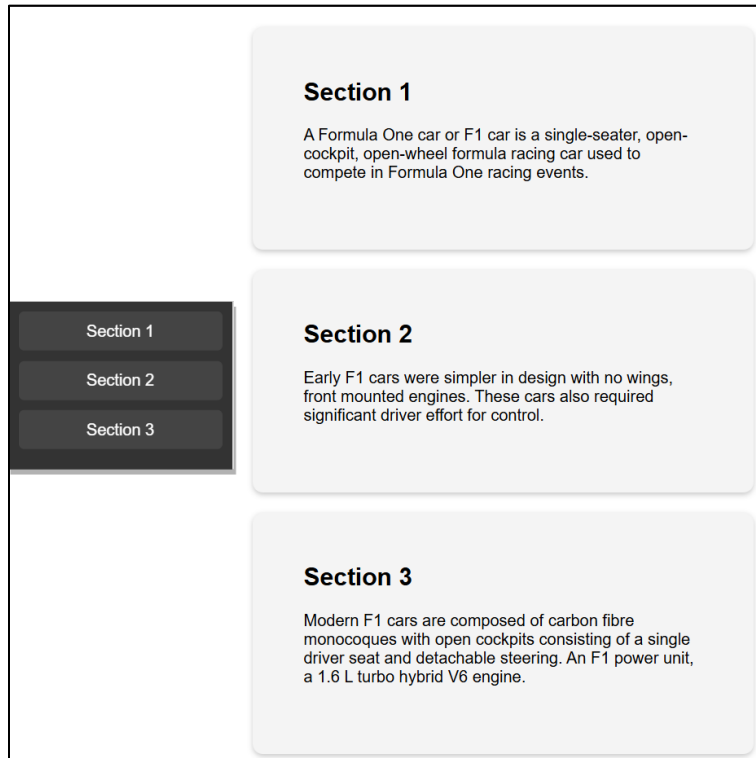
7.2 Create a Form on Image

Output:

A login form overlay on a light blue background. The form is contained within a white rounded rectangle with a subtle drop shadow. At the top of the form is the title "Login" in bold. Below it is the label "Email" in bold, followed by a text input field with the placeholder text "Enter Email". Below that is the label "Password" in bold, followed by a text input field with the placeholder text "Enter Password". At the bottom of the form is a green button with the text "Login" in white.

7.3 Create a Side Navigation Buttons

Output:



7.4 Create Automatic Slideshow

First Image:



Second Image:

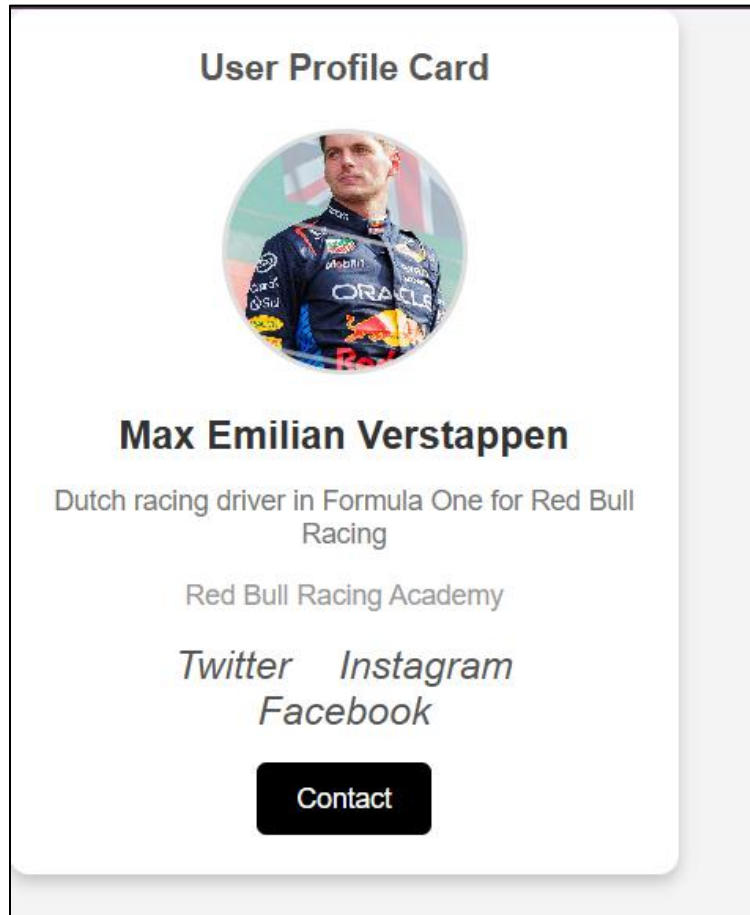


Third Image:



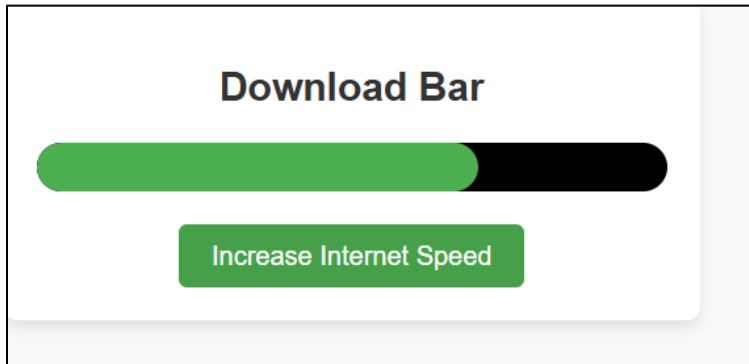
7.5 Create Profile Card

Output:



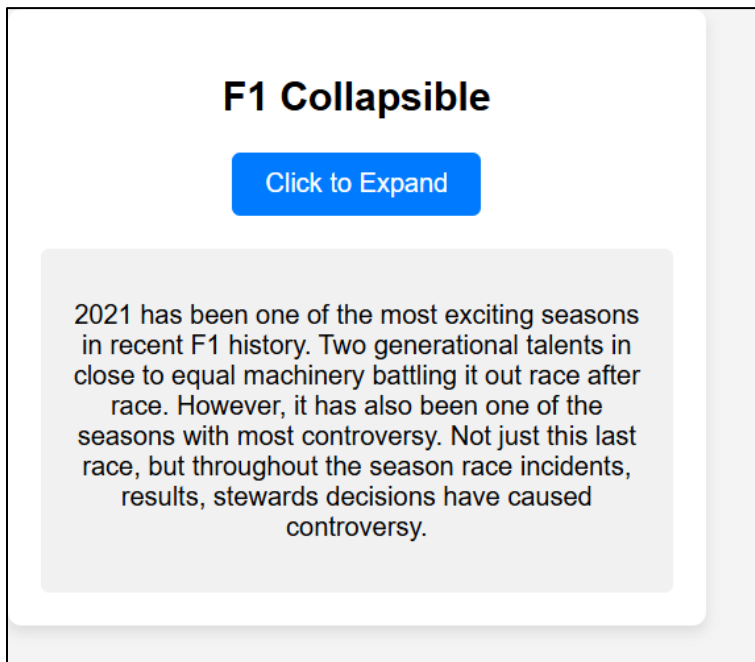
7.6 Create Progress Bar

Output:



7.7 Create A Collapsible

Output:



7.8 Lab Exercise 7

Source Code:

fl.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>Formula 1</title>
7   <link rel="stylesheet" href="f1.css">
8 </head>
9 <body>
10   <!-- Side Navigation -->
11   <div class="side-nav">
12     <a href="#home">Home</a>
13     <a href="#slideshow">Gallery</a>
14     <a href="#profile">Driver</a>
15     <a href="#progress">Season</a>
16     <a href="#faq">FAQ</a>
17   </div>
18   <!-- Form Section -->
19   <section id="home" class="hero">
20     <div class="overlay">
21       <h1>Formula 1</h1>
22       <p>It's lights out and away we go!</p>
23       <form class="login-form">
24         <h3>Login</h3>
25         <input type="text" placeholder="Username" required>
26         <input type="password" placeholder="Password" required>
27         <button type="submit">Login</button>
28       </form>
29     </div>
30   </section>
31   <!-- Slideshow -->
32   <section id="slideshow" class="slideshow">
33     
34     
35     
36   </section>
37   <!-- Profile Card -->
38   <section id="profile" class="profile-section">
39     <div class="profile-card">
40       
41       <h2>Max Verstappen</h2>
42       <h3>F1 Driver</h3>
43       <p>Driven by childhood trauma.</p>
44       <div class="social-icons">
45         <a href="https://x.com/max33verstappen" class="social-icon"><i class="fa fa-twitter">Twitter</i></a>
46         <a href="https://www.instagram.com/maxverstappen1/hl" class="social-icon"><i class="fa fa-instagram">Instagram</i></a>
47         <a href="https://www.facebook.com/maxverstappen/" class="social-icon"><i class="fa fa-facebook">Facebook</i></a>
48       </div>
49     </div>
50   </section>
51   <!-- Progress Bar -->
52   <section id="progress" class="progress-section">
53     <h2>Season Progress</h2>
54     <div class="progress-container">
55       <div class="progress-bar" id="progressbar"></div>
56     </div>
57   </section>
58   <!-- Collapsible Section -->
59   <section id="faq" class="faq-section">
60     <h2>Formula 1 FAQs</h2>
61     <button class="collapsible">What is Formula 1?</button>
62     <div class="content">
63       <p>F1, or Formula 1, is the highest class of international single-seater, open-wheel auto racing, known as the pinnacle of motorsport, featuring fast, technologically advanced cars and global Grand Prix events sanctioned by the FIA, where drivers compete for individual and team championships. The "formula" refers to the strict rules cars must follow, and a season includes races worldwide, combining incredible speed with complex strategy. </p>
64     </div>
65     <button class="collapsible">How many drivers and teams race in F1?</button>
66     <div class="content">
67       <p>A total of 10 teams and 20 drivers from around the world make up the current Formula 1 grid, with each squad fielding two cars. Driver experience ranges from multiple World Champions like Lewis Hamilton, Max Verstappen and Fernando Alonso, to rookie racers in their first full-time F1 seasons such as Kimi Antonelli, Oliver Bearman and Gabriel Bortoleto. </p>
68     </div>
69     <button class="collapsible">When it comes to teams, there are those who have been in Formula 1 since the early years, such as Ferrari (competing continuously since the very first season in 1950) and McLaren, and relative newcomers like Haas who entered the sport ahead of the 2016 season.</p>
70   </div>
71   <button class="collapsible">Where does F1 race?</button>
72   <div class="content">
73     <p>A total of 24 races in 21 countries across five continents are included on the Formula 1 calendar. Classic circuits such as Silverstone, Spa-Francorchamps and Suzuka, combined with more recent additions including Las Vegas, Miami and Saudi Arabia, give an exciting and varied selection of tracks. Monaco, Monza, Silverstone and Spa are circuits that still feature on the schedule from the very first F1 season in 1950, although plenty of safety-based changes and track layout modifications have been made since then.</p>
74   </div>
75 </section>
76 <footer>
77   <p>Man Ariff F1 Website 2025 &copy;</p>
78 </footer>
79 <script src="f1.js"></script>
80 </body>
81 </html>
```

fl.css:

```
1  body {
2    margin: 0;
3    font-family: Arial, sans-serif;
4    scroll-behavior: smooth;
5  }
6  .side-nav {
7    position: fixed;
8    top: 0;
9    left: 0;
10   width: 160px;
11   height: 100%;
12   background: #111;
13   padding-top: 20px;
14 }
15 .side-nav a {
16   display: block;
17   color: white;
18   padding: 12px;
19   text-decoration: none;
20 }
21 .side-nav a:hover {
22   background: #e10600;
23 }
24 .hero {
25   margin-left: 160px;
26   height: 100vh;
27   background: url('f1bg.jpg') center/cover no-repeat;
28   position: relative;
29 }
30 .overlay {
31   background: rgba(0, 0, 0, 0.6);
32   color: white;
33   height: 100%;
34   display: flex;
35   flex-direction: column;
36   align-items: center;
37   justify-content: center;
38   text-align: center;
39 }
```

```
40 .overlay h1 {
41   font-size: 60px;
42   margin: 0;
43 }
44 .overlay p {
45   font-size: 22px;
46   margin-bottom: 20px;
47 }
48 .login-form {
49   background: rgba(255, 255, 255, 0.1);
50   padding: 20px;
51   border-radius: 8px;
52   width: 260px;
53 }
54 .login-form h3 {
55   margin-top: 0;
56 }
57 .login-form input, .login-form button {
58   width: 92%;
59   padding: 10px;
60   margin-bottom: 15px;
61   border: none;
62   border-radius: 5px;
63 }
64 .login-form button {
65   background: #e10600;
66   color: white;
67   cursor: pointer;
68 }
69 .slideshow {
70   margin-left: 160px;
71   width: auto;
72 }
73 .slide {
74   width: 100%;
75   height: 400px;
76   object-fit: cover;
```

```
77     display: none;
78 }
79 .profile-section {
80     margin-left: 160px;
81     padding: 40px;
82     background: #f4f4f4;
83 }
84 .profile-card {
85     max-width: 300px;
86     background: white;
87     padding: 20px;
88     text-align: center;
89     border-radius: 10px;
90     box-shadow: 0 4px 10px rgba(0,0,0,0.2);
91 }
92 .profile-card img {
93     width: 100%;
94     border-radius: 10px;
95 }
96 .social-icons i {
97     margin: 10px;
98     color: #e10600;
99     font-size: 20px;
100    cursor: pointer;
101 }
102 .progress-section {
103     margin-left: 160px;
104     padding: 40px;
105 }
106 .progress-container {
107     width: 80%;
108     background: #ddd;
109     border-radius: 20px;
110     overflow: hidden;
111 }
112 .progress-bar {
113     width: 0;
```

```
114     height: 30px;
115     background: #e10600;
116     color: white;
117     text-align: center;
118     line-height: 30px;
119 }
120 .faq-section {
121     margin-left: 160px;
122     padding: 40px;
123 }
124 .collapsible {
125     background: #e10600;
126     color: white;
127     cursor: pointer;
128     padding: 12px;
129     width: 100%;
130     border: none;
131     text-align: left;
132     margin-top: 10px;
133 }
134 .content {
135     display: none;
136     background: #f1f1f1;
137     padding: 10px;
138 }
139 footer {
140     text-align: center;
141     background-color: #7D3B19;
142     color: #f0f0f0;
143     padding: 10px;
144     font-style: italic;
145     margin-top: auto;
146 }
```

script.js:

```
1  let slideIndex = 0;
2  const slides = document.getElementsByClassName("slide");
3  function showSlides() {
4      for (let i = 0; i < slides.length; i++) {
5          slides[i].style.display = "none";
6      }
7      slideIndex++;
8      if (slideIndex > slides.length) { slideIndex = 1; }
9      slides[slideIndex - 1].style.display = "block";
10     setTimeout(showSlides, 3000);
11 }
12 showSlides();
13 let progress = 0;
14 const bar = document.getElementById("progressBar");
15 const interval = setInterval(() => {
16     if (progress >= 100) {
17         clearInterval(interval);
18     } else {
19         progress++;
20         bar.style.width = progress + "%";
21         bar.innerHTML = progress + "%";
22     }
23 }, 40);
24 const coll = document.getElementsByClassName("collapsible");
25 for (let i = 0; i < coll.length; i++) {
26     coll[i].addEventListener("click", function() {
27         const content = this.nextElementSibling;
28         content.style.display = content.style.display === "block" ? "none" : "block";
29     });
30 }
```

Output:

Form page:



The image shows a login page for a Formula 1 website. On the left is a dark sidebar with white links: Home, Gallery, Driver, Season, and FAQ. The main content area has a dark background with a sunset sky and a silhouette of a Formula 1 car. The text 'Formula 1' is prominently displayed in white. Below it, the tagline 'It's lights out and away we go!' is shown. A login form is centered, featuring a 'Login' title, a 'Username' input field, a 'Password' input field, and a red 'Login' button.

Home
Gallery
Driver
Season
FAQ

Formula 1

It's lights out and away we go!

Login

Username

Password


Login

Image page:



Driver and season page:

[Home](#)
[Gallery](#)
[Driver](#)
[Season](#)
[FAQ](#)



Max Verstappen
F1 Driver
Driven by childhood trauma.
[Twitter](#) [Instagram](#)
[Facebook](#)

Season Progress

100%

F1 FAQ and footer page:

Formula 1 FAQs

What is Formula 1?

How many drivers and teams race in F1?

Where does F1 race?

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