



## **Web-based Interface Design** **(CSF3133)**

### **LAB MODULE 7**

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**Date: 10/12/2025**

**Group: K4**

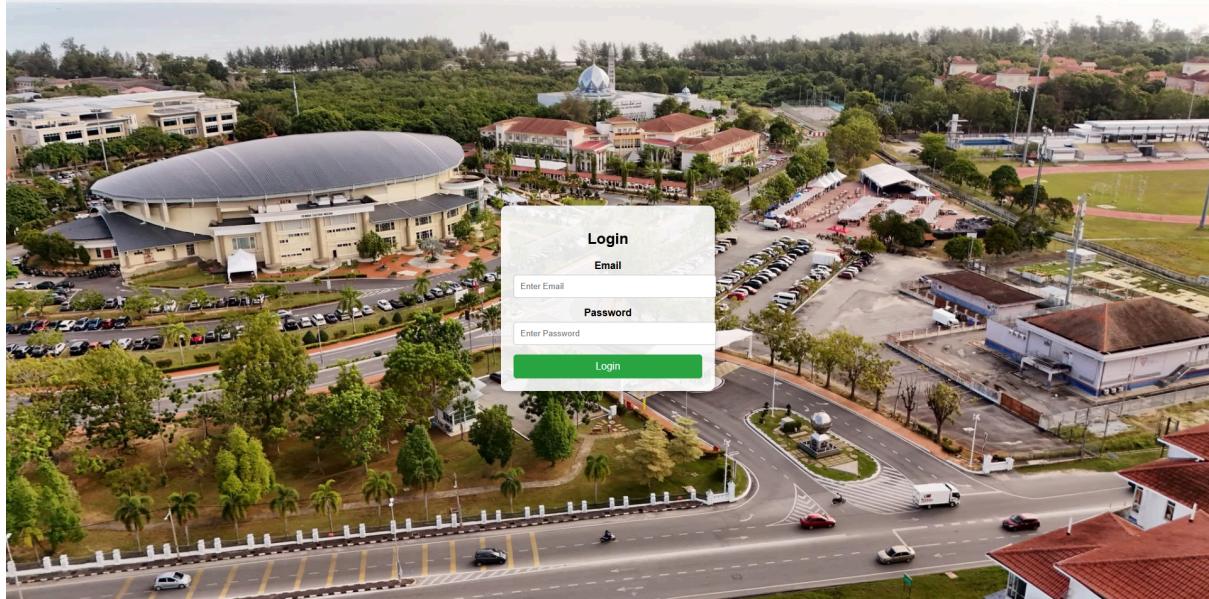
**Lecturer: Prof. Madya Ts. Dr. Wan Nural Jawahir**

**Programme: Computer Science (Software Engineering)**

**Activity 7.1**



## Activity 7.2



## Activity 7.3

---

**Section 1**  
This is the content for Section 1.

---

**Section 2**  
This is the content for Section 2.

---

**Section 3**  
This is the content for Section 3.

---

**Section 4**  
This is the content for Section 4.

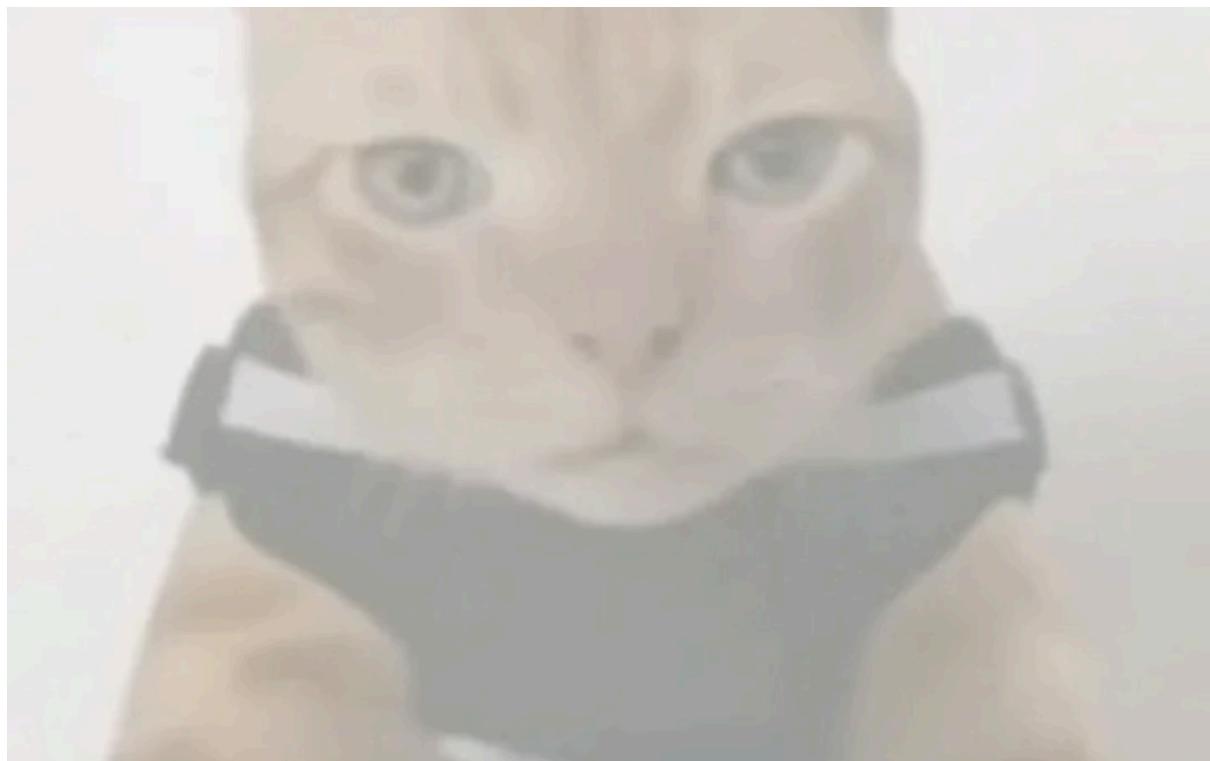
Section 1

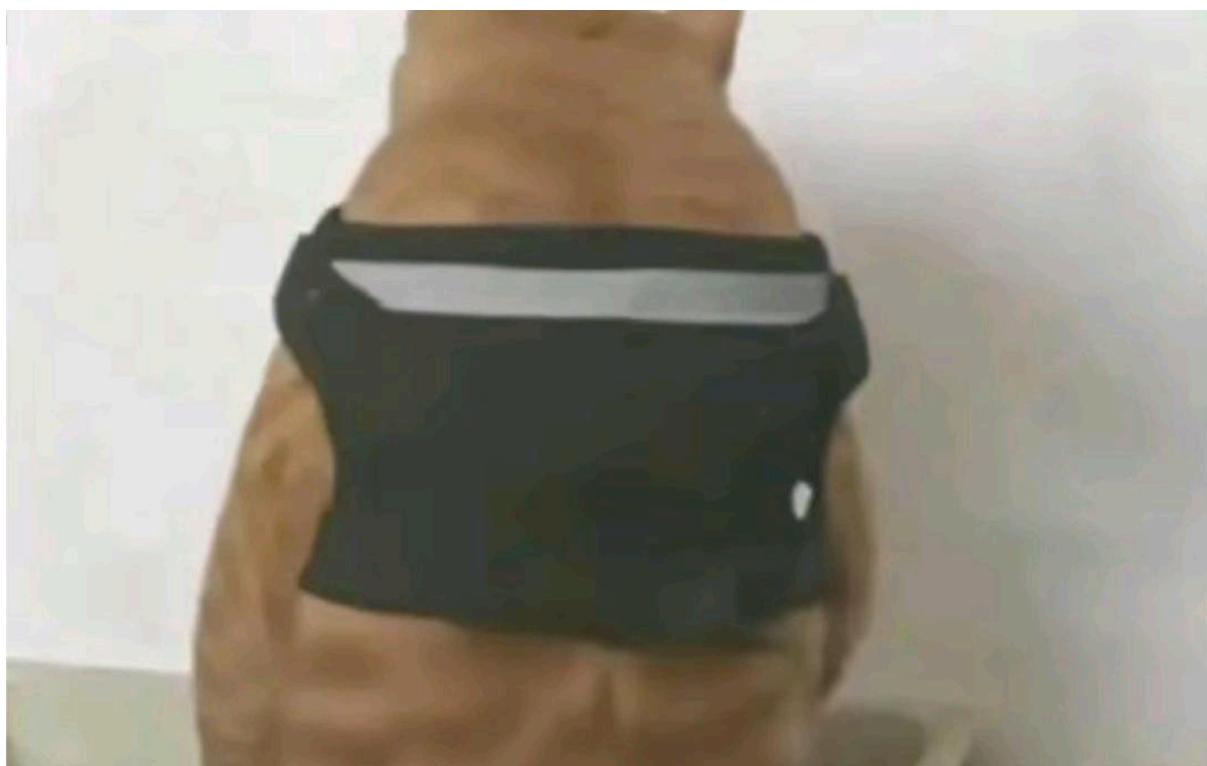
Section 2

Section 3

Section 4

**Activity 7.4**





## Activity 7.5

User Profile Card



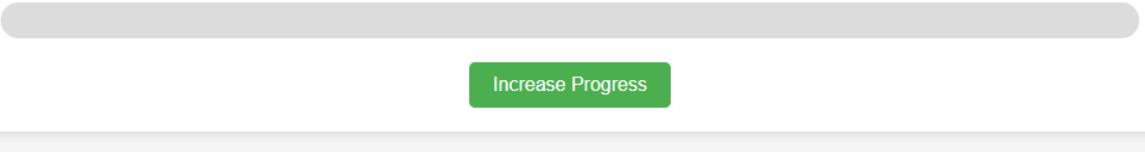
**Rowan Atkinson**

CEO & British Sitcom Creator  
Oxford University

Contact

## Activity 7.6

Progress Bar Example



127.0.0.1:5500 says

Progress is complete!

OK

## Activity 7.7

### **Collapsible Example**

[Click to Expand/Collapse](#)

### **Collapsible Example**

[Click to Expand/Collapse](#)

This is the collapsible content. Click the button above to toggle between showing and hiding this section. You can add more content here.

## Lab Exercise

HTML:

```
labexercise.html > html > body > div.main-content > section#about.container > div.content > p
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 Exercise</title>
7      <link rel="stylesheet" href="labexercise.css">
8  </head>
9  <body>
10
11     <nav class="sidenav">
12         <h2>My Profile</h2>
13         <a href="#home">Home</a>
14         <a href="#about">Profile</a>
15         <a href="#projects">Gallery</a>
16         <a href="#skills">Skills</a>
17         <a href="#contact">Login</a>
18     </nav>
19
20     <div class="main-content">
21
22         <section id="home" class="hero-section">
23             <div class="hero-overlay">
24                 <h1>Future Developer</h1>
25                 <p>Building interactive experiences for the future.</p>
26             </div>
27         </section>
28
29         <section id="about" class="container">
30             <h2>About Me</h2>
31             <div class="profile-card">
32                 
33                 <h3>Adly Azamin</h3>
34                 <p class="title">Full Time Student</p>
35                 <p class="description">I love learning new languages and new skills.</p>
36             </div>
37
38             <button class="collapsible">Click here to know more about me.</button>
39             <div class="content">
40                 <p>I am a student from UMT taking Software Engineering as my major. I am born and raised in Kuching, Sarawak and loves music.</p>
41             </div>
42         </section>
43
44         <section id="projects" class="container">
45             <h2>Pictures of me:</h2>
46             <div class="slideshow-container">
47                 <div class="myslides fade">
48                     
49                 </div>
50                 <div class="myslides fade">
```

```
51 |             
52 |         </div>
53 |         <div class="mySlides fade">
54 |             
55 |         </div>
56 |     </div>
57 |     <br>
58 |     <div style="text-align:center">
59 |         <span class="dot"></span>
60 |         <span class="dot"></span>
61 |         <span class="dot"></span>
62 |     </div>
63 | </section>
64 |
65 | <section id="skills" class="container">
66 |     <h2>My Skills</h2>
67 |
68 |     <p>HTML</p>
69 |     <div class="progress-container">
70 |         <div class="progress-bar" style="width: 90%;">90%</div>
71 |     </div>
72 |
73 |     <p>JavaScript</p>
74 |     <div class="progress-container">
75 |         <div class="progress-bar" style="width: 75%; background-color: #2980b9;">75%</div>
76 |     </div>
77 |
78 |     <p>UI/UX Design</p>
79 |     <div class="progress-container">
80 |         <div class="progress-bar" style="width: 60%; background-color: #e67e22;">60%</div>
81 |     </div>
82 | </section>
83 |
84 | <section id="contact" class="form-bg-section">
85 |     <div class="form-container">
86 |         <form action="#">
87 |             <h2>Login</h2>
88 |             <input type="text" placeholder="Username" required>
89 |             <input type="password" placeholder="Password" required>
90 |             <button type="submit">Sign In</button>
91 |         </form>
92 |     </div>
93 | </section>
94 |
95 | <footer>
96 |     <p>Adly Azamin &copy; 2025, All rights reserved.</p>
97 | </footer>
98 |
99 | </div>
100 |
101 |     <script src="labexercise.js"></script>
102 | </body>
103 | </html>
```

CSS:

```
# labexercise.css > .form-container button
1  * {
2    box-sizing: border-box;
3    margin: 0;
4    padding: 0;
5    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
6  }
7
8  html {
9    scroll-behavior: smooth;
10 }
11
12 .sidenav {
13   height: 100%;
14   width: 220px;
15   position: fixed;
16   z-index: 1;
17   top: 0;
18   left: 0;
19   background-color: #111;
20   overflow-x: hidden;
21   padding-top: 20px;
22   color: white;
23 }
24
25 .sidenav h2 {
26   text-align: center;
27   margin-bottom: 30px;
28   color: #f1f1f1;
29 }
30
31 .sidenav a {
32   padding: 15px 25px;
33   text-decoration: none;
34   font-size: 18px;
35   color: #818181;
36   display: block;
37   transition: 0.3s;
38 }
39
40 .sidenav a:hover {
41   color: #f1f1f1;
42   background-color: #333;
43 }
44
45 .main-content {
46   margin-left: 220px;
47 }
48
```

```
49 .container {
50   padding: 40px;
51   max-width: 1000px;
52   margin: 0 auto;
53 }
54
55 .hero-section {
56   background-image: url('softwaredeveloper.jpg');
57   height: 80vh;
58   background-position: center;
59   background-repeat: no-repeat;
60   background-size: cover;
61   position: relative;
62   display: flex;
63   justify-content: center;
64   align-items: center;
65 }
66
67 .hero-overlay {
68   background-color: rgba(0, 0, 0, 0.5);
69   color: white;
70   padding: 40px;
71   text-align: center;
72   border: 2px solid white;
73   border-radius: 10px;
74 }
75
76 .profile-card {
77   box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
78   max-width: 300px;
79   margin: auto;
80   text-align: center;
81   padding-bottom: 20px;
82   border-radius: 10px;
83   background-color: #fff;
84 }
85
86 .profile-img {
87   width: 100%;
88   border-top-left-radius: 10px;
89   border-top-right-radius: 10px;
90 }
91
92 .title {
93   color: grey;
94   font-size: 18px;
95 }
96
```

```
97 .collapsible {  
98     background-color: #eee;  
99     color: #444;  
100    cursor: pointer;  
101    padding: 18px;  
102    width: 100%;  
103    border: none;  
104    text-align: left;  
105    outline: none;  
106    font-size: 15px;  
107    margin-top: 20px;  
108}  
109  
110 .active, .collapsible:hover {  
111     background-color: #ccc;  
112}  
113  
114 .content {  
115     padding: 0 18px;  
116     display: none;  
117     overflow: hidden;  
118     background-color: #f1f1f1;  
119     border-left: 5px solid #2980b9;  
120}  
121  
122 .slideshow-container {  
123     max-width: 800px;  
124     position: relative;  
125     margin: auto;  
126}  
127  
128 .mySlides {  
129     display: none;  
130}  
131  
132 .fade {  
133     animation-name: fade;  
134     animation-duration: 1.5s;  
135}  
136  
137 @keyframes fade {  
138     from {opacity: .4}  
139     to {opacity: 1}  
140}  
141
```

```
142 .dot {  
143     height: 15px;  
144     width: 15px;  
145     margin: 0 2px;  
146     background-color: ■#bbb;  
147     border-radius: 50%;  
148     display: inline-block;  
149 }  
150  
151 .dot.active-dot {  
152     background-color: ■#717171;  
153 }  
154  
155 .progress-container {  
156     width: 100%;  
157     background-color: ■#ddd;  
158     border-radius: 20px;  
159     margin-bottom: 20px;  
160 }  
161  
162 .progress-bar {  
163     text-align: right;  
164     padding-right: 20px;  
165     line-height: 30px;  
166     color: ■white;  
167     background-color: ■#4CAF50;  
168     border-radius: 20px;  
169 }  
170  
171 .form-bg-section {  
172     background-image: url('darkflowers.jpg');  
173     min-height: 500px;  
174     background-position: center;  
175     background-size: cover;  
176     display: flex;  
177     justify-content: center;  
178     align-items: center;  
179 }  
180  
181 .form-container {  
182     background-color: ■rgba(255, 255, 255, 0.9);  
183     padding: 40px;  
184     border-radius: 10px;  
185     width: 300px;  
186     box-shadow: 0 0 10px □rgba(0,0,0,0.5);  
187 }
```

```
189 .form-container input {
190     width: 100%;
191     padding: 12px;
192     margin: 8px 0;
193     display: inline-block;
194     border: 1px solid #ccc;
195     box-sizing: border-box;
196 }
197
198 .form-container button {
199     background-color: #4CAF50;
200     color: white;
201     padding: 14px 20px;
202     margin: 8px 0;
203     border: none;
204     cursor: pointer;
205     width: 100%;
206 }
```

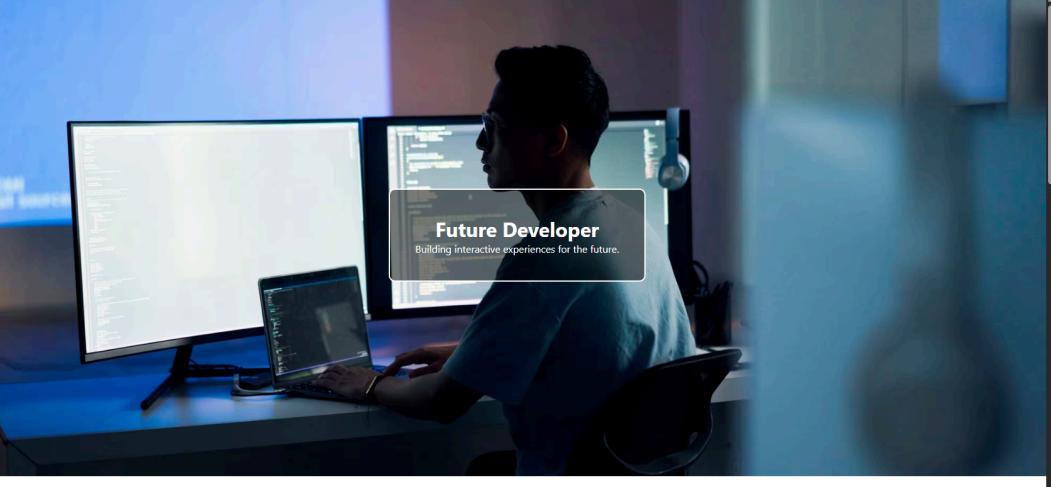
JavaScript:

```
JS labexercise.js > ⏷ showSlides
1  var coll = document.getElementsByClassName("collapsible");
2  var i;
3
4  for (i = 0; i < coll.length; i++) {
5    coll[i].addEventListener("click", function() {
6      this.classList.toggle("active");
7      var content = this.nextElementSibling;
8      if (content.style.display === "block") {
9        content.style.display = "none";
10       } else {
11        content.style.display = "block";
12       }
13     });
14   }
15
16 let slideIndex = 0;
17 showSlides();
18
19 function showSlides() {
20   let i;
21   let slides = document.getElementsByClassName("mySlides");
22   let dots = document.getElementsByClassName("dot");
23
24   for (i = 0; i < slides.length; i++) {
25     slides[i].style.display = "none";
26   }
27
28   slideIndex++;
29
30   if (slideIndex > slides.length) {slideIndex = 1}
31
32   for (i = 0; i < dots.length; i++) {
33     dots[i].className = dots[i].className.replace(" active-dot", "");
34   }
35
36   slides[slideIndex-1].style.display = "block";
37   dots[slideIndex-1].className += " active-dot";
38
39   setTimeout(showSlides, 3000);
40 }
```

Output:

**My Profile**

- Home
- Profile
- Gallery
- Skills
- Login



**About Me**



**Adly Azamin**  
Full Time Student  
I love learning new languages and new skills.

Click here to know more about me.  
I am a student from UMT taking Software Engineering as my major. I am born and raised in Kuching, Sarawak and loves music.

**Pictures of me:**



**My Profile**

- Home
- Profile
- Gallery
- Skills
- Login

**Pictures of me:**



● ● ●

**My Profile**

- Home
- Profile
- Gallery
- Skills
- Login

**My Skills**

Skill	Level (%)
HTML	90%
JavaScript	75%
UI/UX Design	60%



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