



WEB-BASED INTERFACE DESIGN

(CSF3133)

Lab Report 5

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Group : K4

Programme : Computer Science (Software Engineering)

5.3 Inline CSS

A screenshot of a web browser window titled "Inline CSS". The address bar shows the file path: "C:/Users/User/OneDrive/Documents/Sem%20III/Web-Bas...". The main content area displays the text "Welcome to Inline CSS!" in blue, followed by a yellow box containing the paragraph "This paragraph is styled using Inline CSS.".

5.4 Internal CSS

A screenshot of a web browser window titled "Internal CSS". The address bar shows the file path: "C:/Users/User/OneDrive/Documents/Sem%20III/Web-Bas...". The main content area displays the text "Welcome to Internal CSS!" in green, followed by a grey box containing the paragraph "This paragraph is styled using Internal CSS.".

5.5 External CSS

A screenshot of a web browser window titled "External CSS". The address bar shows the file path: "C:/Users/User/OneDrive/Documents/Sem%20III/Web-Bas...". The main content area displays the text "Welcome to External CSS!" in red, followed by the paragraph "This paragraph is styled using External CSS.".

5.6 Link to file CSS (from another website)

A screenshot of a web browser window titled "Google Fonts Example". The address bar shows the file path "C:/Users/User/OneDrive/Documents/Sem%20III/Web-Bas...". The main content area displays the text "Hello, World!" in a large, bold, black font. Below it, a smaller text says "This is styled using Google Fonts."

5.7 CSS Backgrounds

The first screenshot shows a demo titled "The background-image Property" with a note: "This demo shows some different techniques on how to set a background image of a HTML element." It displays four rows of four yellow lined paper backgrounds each, illustrating different background properties like repeat and position.

The second screenshot shows a similar demo with a note: "This demo shows some different techniques on how to set a background image of a HTML element." It features a pattern of pink and yellow tulips on a white background, with a larger yellow lined paper background integrated into the design.

5.8 CSS Table

COMPANY	CONTACT	COUNTRY
Alfreds Futterkiste	Maria Anders	Germany
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Magazzini Riuniti	Giovanni Rovelli	Italy

5.9 CSS Navigation Bar

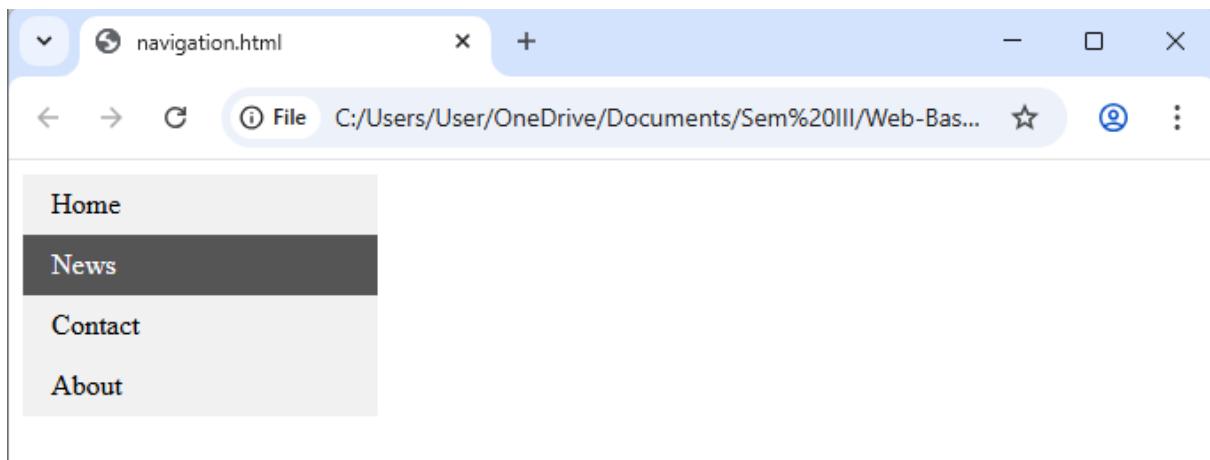
2.

<ul style="list-style-type: none">• Home• News• Contact• About

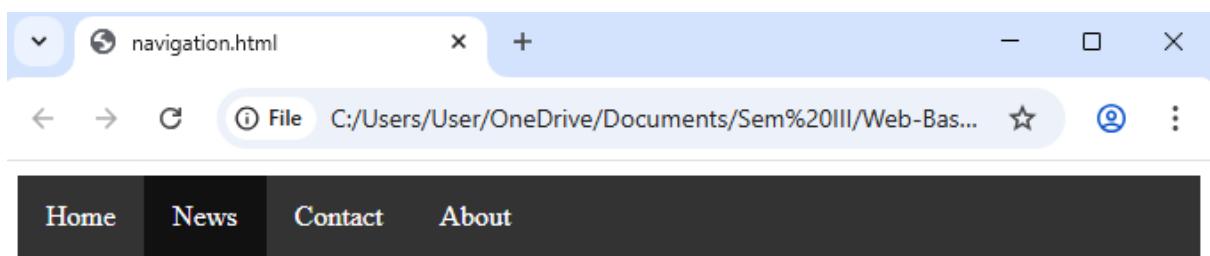
4.

Home
News
Contact
About

6.



8.



5.10 Lab Exercise 5

HTML Code :

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |  <meta charset="UTF-8">
5  |  <title>Universiti Malaysia Terengganu</title>
6  |  <link rel="stylesheet" href="umt.css">
7  </head>
8  <body>
9
10 <header>
11   <h1>Universiti Malaysia Terengganu</h1>
12   <nav> <!-- Navigation -->
13   |   <ul>
14   |   |   <li><a href="#home">Home</a></li>
15   |   |   <li><a href="#history">History</a></li>
16   |   |   <li><a href="#about">About</a></li>
17   |   |   <li><a href="#contact">Contact</a></li>
18   |   </ul>
19   |   </nav>
20 </header>
21
22 <main>
23 <section id="history">
24 <div class="content-container">
<!-- Left side: Intro + History stacked -->
```

```
26 <div class="text-block">
27   <article>
28     <h2>Introduction</h2>
29     <p>The Universiti Malaysia Terengganu (University of Malaysia, Terengganu) or UMT,
30       formerly known as Kolej Universiti Sains dan Teknologi Malaysia
31       (Malaysian University College of Science and Technology) or KUSTEM, is
32       a university in Kuala Nerus District, Terengganu, Malaysia. It was
33       officially chartered on 1 February 2007.</p>
34   </article>
35
36   <article>
37     <h2>History</h2>
38     <p>Universiti Malaysia Terengganu began as Universiti Pertanian Malaysia's Centre
39       for Fisheries and Marine Science, located at Mengabang Telipot, Kuala Terengganu.
40       It provided facilities for both students and lecturers from the Fisheries and Marine Science
41       programmes to conduct their practical sessions and also researches.</p>
42     <p>Eventually, the Faculty of Fisheries and Marine Science of Universiti
43       Pertanian Malaysia (UPM) in Serdang was transferred to Kuala Terengganu, and the Centre
44       transformed into a branch campus, being renamed Universiti Pertanian Malaysia Terengganu
45       (UPMT) in June 1996. The name of the faculty was also changed to the
```



```
46   Faculty of Applied Sciences and Technology. Also formed were the Faculty of Science
47   and Professional Literature and the Matriculation Centre.</p>
48   <p>Later on, the Cabinet of Malaysia had approved the establishment of Terengganu University
49   College (KUT) on 5 May 1999 as an associate campus of UPM.
50   Then Terengganu Universiti College was given autonomy on 1 May 2001 and was renamed
51   Kolej Universiti Sains dan Teknologi Malaysia (KUSTEM) on 20 June 2001.</p>
52   <p>On 1 February 2007, KUSTEM was given the status of a full-fledged university, and
53   with that elevation, it was renamed again and remain to this very day as
54   Universiti Malaysia Terengganu. At the same time, KUSTEM's emblem was rehashed as
55   the University's emblem.</p>
56   <p>In 2015, the university is granted autonomy status.</p>
57   </article>
58 </div>
59 <!-- Right side: Image -->
60 <div class="image-right">
61   
63 </div>
64 </div>
65 </section> <!-- Table Courses -->
```

```

66    <section id="courses">
67        <h2>Courses Offered</h2>
68        <table id="courses-table">
69            <tr>
70                <th>Faculty</th>
71                <th>Program</th>
72                <th>Level</th>
73            </tr>
74            <tr>
75                <td>Science and Marine Environment</td>
76                <td>Marine Biology</td>
77                <td>Undergraduate</td>
78            </tr>
79            <tr>
80                <td>Business and Economics</td>
81                <td>Accounting</td>
82                <td>Undergraduate</td>
83            </tr>
84            <tr>
85                <td>Fisheries and Food Science</td>
86                <td>Aquaculture Technology</td>
87                <td>Postgraduate</td>
88            </tr>
89        </table>
90    </section>
91
92    <section id="about"> <!-- About -->
93        <h2>About</h2>
94        <article>
95            <ul>
96                <li><h3>UMT's Philosophy</h3></li>
97                    <p>The integration of knowledge and practice based on the faith in Allah is fundamental
98                        to the university's endeavour in preparing competent human capital for global prosperity.</p>
99                <li><h3>Vision</h3></li>
100                <p>A marine-focused university, reputed nationally and respected globally.</p>
101                <li><h3>Mission</h3></li>
102                <p>Generating knowledge for the prosperity of the community and world sustainability.</p>
103                <li><h3>Educational Goals</h3></li>
104                <p>Producing competent graduates who possess the value of ihsan for society's well-being
105                    and environmental sustainability.</p>
106                <li><h3>Slogan</h3></li>
107                    <p>Ocean of Discoveries, for Global Sustainability.</p>
108                    <li><h3>Niche Area</h3></li>
109                    <p>Marine Science and Aquatic Resources.</p>
110                </ul>
111            </article>
112        </section>
113
114    </main>
115
116    <footer id="contact"> <!-- Contact -->
117        <p>This page is created for educational purposes only.</p>
118        <p>Contact: info@umt.edu.my</p>
119        <p>Copyright © 2025 Universiti Malaysia Terengganu </p> <!-- Copyright -->
120    </footer>
121
122 </body>
123 </html>
124
```

CSS Code :

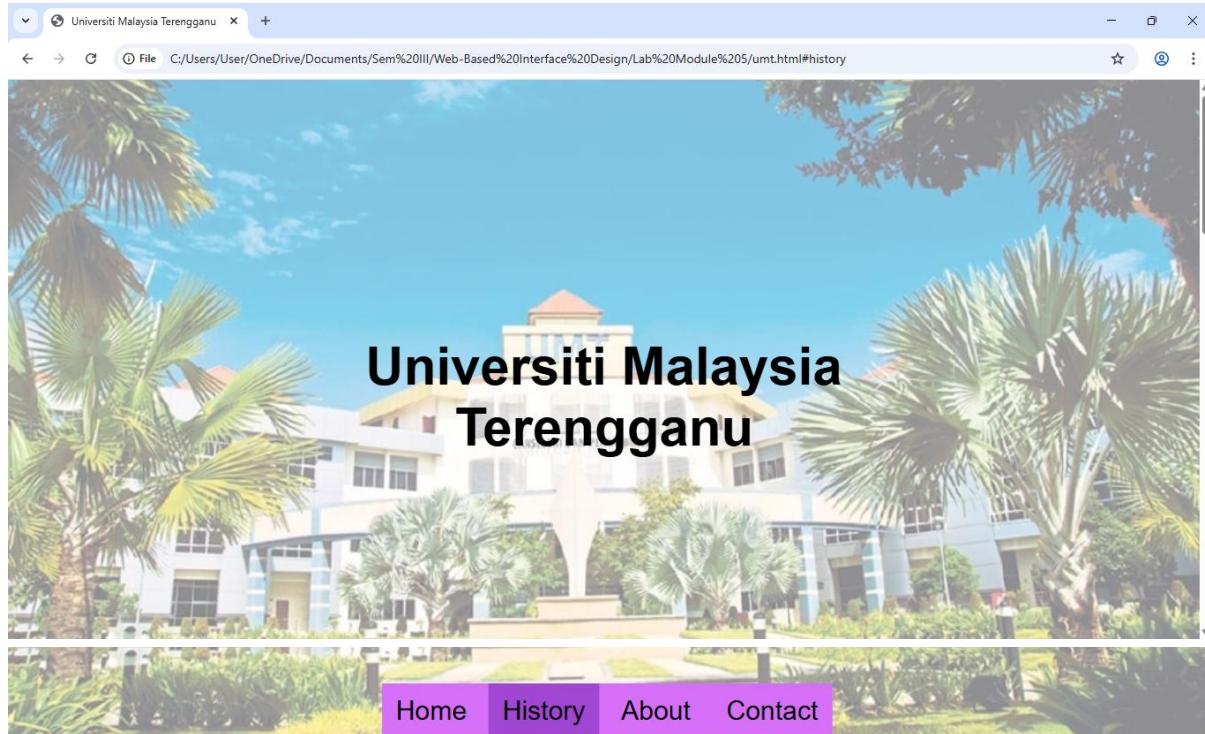
```
1 body {
2   font-family: 'Google Fonts', sans-serif;
3   margin: 0;
4   background-color: #f9f9f9;
5   color: #333;
6 }
7
8 /* Header styling */
9 header {
10   color: white;
11   text-align: center;
12   font-size: 30px;
13   padding: 250px;
14 }
15
16
17 /* Background image */
18 header {
19   position: relative; /* allows overlay positioning */
20   background-image: url("UMTbackground.jpg");
21   background-position: center;
22   background-repeat: no-repeat;
23   background-size: cover;
24   padding: 250px;
25   text-align: center;
26   color: black;
27 }
28
29 /* Transparent overlay on top of background image */
30 header::before {
31   content: "";
32   position: absolute;
33   top: 0; left: 0; right: 0; bottom: 0;
34   background-color: rgba(255, 255, 255, 0.5); /* white with 50% transparency */
35   z-index: 0; /* sits behind text */
36 }
37
38 /* Ensure text and nav stay above overlay */
39 header h1 {
40   position: relative;
41   z-index: 1;
42 }
43 header nav {
44   position: absolute;
45   z-index: 1;
46 }
47
48 /* Navigation bar */
49 nav {
```

```
50 |     position: absolute;          /* position relative to header */
51 |     bottom: 0px;                /* stick to bottom of header */
52 |     left: 50%;                 /* start at horizontal center */
53 |     transform: translateX(-50%); /* shift back by half width to center */
54 |     width: auto;
55 |
56 }
57 nav ul {
58     list-style-type: none;
59     margin: 0;
60     padding: 0;
61     background-color: #rgb(214, 112, 248);
62     text-align: center;           /* centers inline-block items */
63 }
64
65 nav li {
66     display: inline-block;        /* replaces float */
67 }
68
69 nav li a {
70     display: block;
71     color: black;
72     padding: 14px 16px;
73     text-decoration: none;
74 }
75
76 nav li a:hover {
77     background-color: #rgb(162, 70, 212);
78 }
79
80
81 /* Main content */
82 .content-container {
83     display: flex;
84     justify-content: space-between;
85     align-items: flex-start;
86     margin-bottom: 30px;
87 }
88
89 .text-block {
90     flex: 1;
91     margin-right: 50px;
92 }
93
94 .text-block article {
95     margin-bottom: 20px;
96 }
97
```

```
98  .image-right {
99    flex: 1;
100   display: flex;
101   justify-content: center;
102   align-items: flex-start;
103 }
104
105  .image-right img {
106   max-width: 600px;
107   height: auto;
108 }
109
110  main {
111   padding: 20px;
112 }
113
114 /* Section headings */
115 h2 {
116   color: #5a2580;
117   transition: color 0.3s ease;
118 }
119
120 h2:hover {
121   color: #3b1456;
122 }
123
124 h3 {
125   color: #0b172f;
126 }
127
128 /* Table styling */
129 #courses-table {
130   width: 100%;
131   border-collapse: collapse;
132   margin-top: 20px;
133 }
134
135 #courses-table th, #courses-table td {
136   border: 1px solid #0b0505;
137   padding: 10px;
138   text-align: left;
139   transition: background-color 0.3s ease;
140 }
141
142 #courses-table tr:nth-child(even) {
143   background-color: #f2f2f2;
144 }
145
146 #courses-table tr:hover {
147   background-color: #b5e8ee;
```

```
148 }
149
150 /* Footer styling */
151 footer {
152     background-color: #eeeeee;
153     text-align: center;
154     padding: 15px;
155     margin-top: 40px;
156     font-size: 0.9em;
157     animation: fadeIn 1s ease-in;
158 }
159
160 /* Simple fade-in animation */
161 @keyframes fadeIn {
162     from { opacity: 0; }
163     to { opacity: 1; }
164 }
165
```

Output :



Introduction

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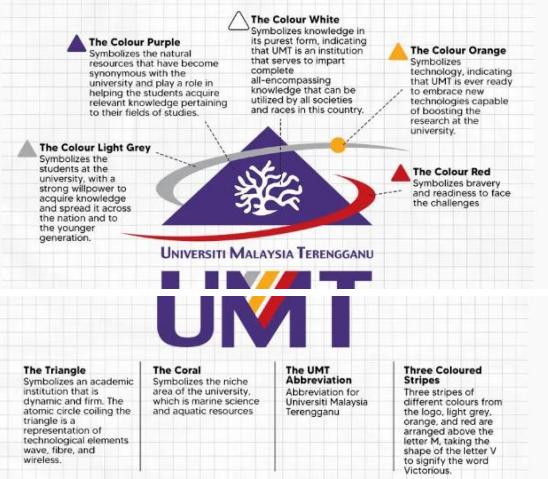
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In 2015, the university is granted autonomy status.

Logo Description



Courses Offered

Faculty	Program	Level
Science and Marine Environment	Marine Biology	Undergraduate
Business and Economics	Accounting	Undergraduate
Fisheries and Food Science	Aquaculture Technology	Postgraduate

About

- **UMT's Philosophy**

The integration of knowledge and practice based on the faith in Allah is fundamental to the university's endeavour in preparing competent human capital for global prosperity.

- **Vision**

A marine-focused university, reputed nationally and respected globally.

- **Mission**

Generating knowledge for the prosperity of the community and world sustainability.

- **Educational Goals**

Producing competent graduates who possess the value of ihsan for society's well-being and environmental sustainability.

- **Slogan**

Ocean of Discoveries, for Global Sustainability

- **Niche Area**

Marine Science and Aquatic Resources.

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