



LAB MODULE 8 CSF3133 – Web-based Interface Design

Name: WAN MUHAMMAD ARIFF BIN WAN KAMALRULZAMAN

No Matric: S75565

Lecturer Name: 1. Prof. Madya Ts. Dr. Wan Nural Jawahir binti Wan Yussof
2. Ms. Wan Fatin Fatihah binti Yahya

8.3 Create First Web Page with Bootstrap

Output:

The screenshot displays a professional web page layout using Bootstrap. At the top, a dark navigation bar contains the site name 'My Website' and links to 'Home', 'About', 'Services', and 'Contact'. Below this is a light gray hero section with the heading 'Welcome to My Website' and the tagline 'Professional IT consulting services'. The main content area is white and features three sections: 'About Us' with a brief description, 'Our Services' with a bulleted list of IT services, and a 'Contact Us' form. The form includes input fields for 'Name', 'Email', and a 'Message' text area, followed by a blue 'Submit' button. The footer is a dark bar with the copyright notice '© 2024 FutureTech Solutions. All rights reserved.'

8.5 Bootstrap Text/Typography

8.5.1 Headings

Output:

This image shows a vertical list of six heading levels, from 'Heading 1' to 'Heading 6', demonstrating the typographic hierarchy in Bootstrap. The headings are displayed in a dark blue font, with 'Heading 1' being the largest and 'Heading 6' being the smallest.

8.5.2 Display Headings

Output:

Display 1
Display 2
Display 3
Display 4
Display 5
Display 6

8.5.3 Inline Text Elements

Output:

Left-aligned text.

Center-aligned text.

Right-aligned text.

8.5.4 Text Color and Background

Output:

Primary colored text.

Text with background color.

8.5.5 Text Wrapping and Overflow

Output:

This text will not wrap.
This text will truncate if it i...
ThisIsAREallyLongWordThatWillBreakOntoANewLine.

8.5.6 Font Size

Output:

Large text
Medium text
Small text

8.5.7 Font Weight and Style

Output:

Bold text
Light and italic text

8.5.8 Line Height

Output:

This text has a larger line height.

8.5.9 Lists

Output:

Item 1
Item 2

Item 1 Item 2

8.6 Bootstrap CSS Forms

8.6.1 Basic Form Structure

Output:

Email address

name@example.com

Password

Submit

8.6.2 Form Layouts

Output:

Email

Password

Submit

8.6.3 Inline Forms

Output:

Search

Search

8.6.4 Form Controls

Output:

Example Textarea

8.6.5 Select Menus

Output:

Select Example

Option 1

Option 1

Option 2

Option 3

8.6.6 Form Validation

Output:

Username

Correct Input

Looks good!

Password

Please choose a stronger password.

Submit

8.6.7 Checkboxes and Radios

Output:

☐ Check me out

☒ Option 1

☐ Option 2

8.6.8 Input Groups

Output:

@

Username

8.6.9 Floating Labels

Output:

Email address

8.6.10 Disabled and Readonly Input

Output:

Disabled input
Readonly input

8.6.11 Example Forms

Output:

Email address
<input type="text" value="name@example.com"/>
Password
<input type="password"/>
<input type="checkbox"/> Remember me
<input type="submit" value="Submit"/>

8.7 Using Bootstrap Theme

Default output:

[My Theme](#)

Welcome to My Themed Website

This is an example of a page styled with a Bootstrap theme.


Themed output:

Welcome to My Themed Page

Using a Tailwind theme

About

This theme gives a fresh and modern look to your website.



8.8 Lab Exercise 8

Source Code:

index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FutureTech Solutions</title>
  <script src="https://cdn.tailwindcss.com"></script>
</head>
<body>
  <nav class="bg-blue-600 text-white">
    <div class="max-w-7xl mx-auto px-4 py-3 flex justify-between">
      <h1 class="text-xl font-bold">FutureTech Solutions</h1>
      <div class="space-x-4">
        <a href="index.html">Home</a>
        <a href="about.html">About</a>
        <a href="services.html">Services</a>
        <a href="contact.html">Contact</a>
      </div>
    </div>
  </nav>
  <header class="bg-gray-100 py-16 text-center" style="background-image: url(bg3.jpg);">
    <h2 class="text-4xl font-bold mb-4">Empowering Your Digital Future</h2>
    <p class="text-600 max-w-xl mx-auto">
      We provide professional IT consulting services to help businesses grow with technology.
    </p>
  </header>
  <section class="max-w-7xl mx-auto px-4 py-12 grid md:grid-cols-3 gap-6">
    <div class="bg-white p-6 shadow rounded">
      <h3 class="font-semibold text-lg">Expert Consultants</h3>
      <p class="text-gray-600">Experienced professionals in modern IT solutions.</p>
    </div>
    <div class="bg-white p-6 shadow rounded">
      <h3 class="font-semibold text-lg">Innovative Solutions</h3>
      <p class="text-gray-600">Cutting-edge technology tailored to your business.</p>
    </div>
    <div class="bg-white p-6 shadow rounded">
      <h3 class="font-semibold text-lg">Reliable Support</h3>
      <p class="text-gray-600">Dedicated technical support and maintenance.</p>
    </div>
  </section>
</body>
</html>
```

about.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>FutureTech Solutions</title>
7    <script src="https://cdn.tailwindcss.com"></script>
8  </head>
9  <body>
10   <nav class="bg-blue-600 text-white">
11     <div class="max-w-7xl mx-auto px-4 py-3 flex justify-between items-center">
12       <h1 class="text-xl font-bold">FutureTech Solutions</h1>
13       <div class="space-x-4">
14         <a href="index.html" class="hover:underline">Home</a>
15         <a href="about.html" class="hover:underline">About</a>
16         <a href="services.html" class="hover:underline">Services</a>
17         <a href="contact.html" class="hover:underline">Contact</a>
18       </div>
19     </div>
20   </nav>
21   <section class="max-w-4xl mx-auto py-12 px-4">
22     <h2 class="text-3xl font-bold mb-4">About Us</h2>
23     <p class="text-gray-600 mb-4">
24       FutureTech Solutions is a technology consulting startup focused on
25       helping businesses achieve digital transformation.
26     </p>
27     <details class="bg-gray-100 p-4 rounded">
28       <summary class="font-semibold cursor-pointer">
29         Read more about our mission and vision
30       </summary>
31       <p class="mt-3 text-gray-600">
32         Our mission is to empower organizations through innovative IT solutions,
33         ensuring scalability, security, and long-term success.
34       </p>
35       <p class="mt-2 text-gray-600">
36         Our vision is to become a trusted technology partner for businesses
37         worldwide by delivering reliable, modern, and sustainable digital systems.
38       </p>
39     </details>
40   </section>
41 </body>
42 </html>
```

services.html:

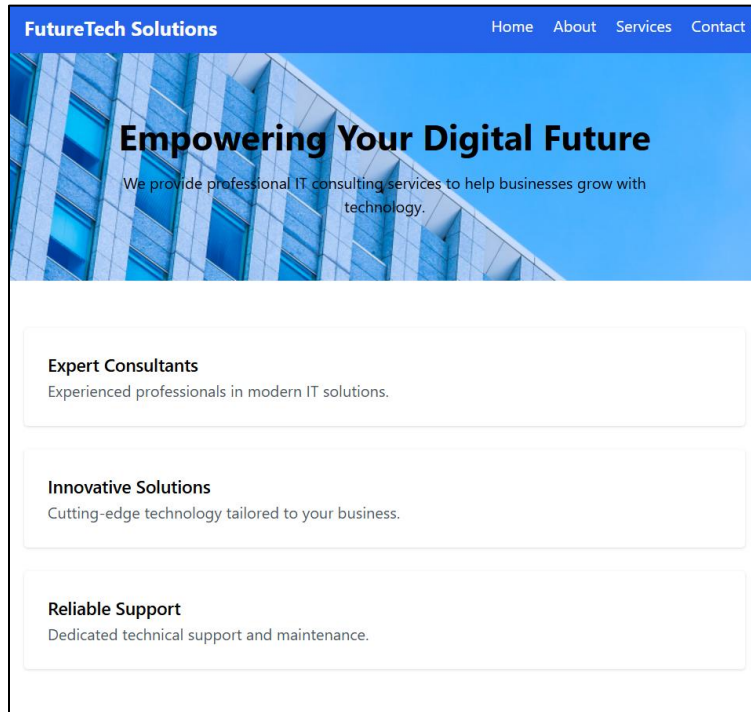
```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>FutureTech Solutions</title>
7    <script src="https://cdn.tailwindcss.com"></script>
8  </head>
9  <body>
10   <nav class="bg-blue-600 text-white">
11     <div class="max-w-7xl mx-auto px-4 py-3 flex justify-between items-center">
12       <h1 class="text-xl font-bold">FutureTech Solutions</h1>
13       <div class="space-x-4">
14         <a href="index.html" class="hover:underline">Home</a>
15         <a href="about.html" class="hover:underline">About</a>
16         <a href="services.html" class="hover:underline">Services</a>
17         <a href="contact.html" class="hover:underline">Contact</a>
18       </div>
19     </div>
20   </nav>
21   <section class="max-w-5xl mx-auto py-12 px-4">
22     <h2 class="text-3xl font-bold mb-6">Our Services</h2>
23     <details class="mb-4 bg-white shadow p-4 rounded">
24       <summary class="font-semibold cursor-pointer">
25         IT Consulting & Strategy
26       </summary>
27       <p class="mt-3 text-gray-600">
28         We help businesses plan and implement effective IT strategies
29         aligned with their goals.
30       </p>
31     </details>
32     <details class="mb-4 bg-white shadow p-4 rounded">
33       <summary class="font-semibold cursor-pointer">
34         Cloud Computing Solutions
35       </summary>
36       <p class="mt-3 text-gray-600">
37         Secure and scalable cloud services including migration,
38         deployment, and management.
39       </p>
40     </details>
41     <details class="mb-4 bg-white shadow p-4 rounded">
42       <summary class="font-semibold cursor-pointer">
43         Cybersecurity Services
44       </summary>
45       <p class="mt-3 text-gray-600">
46         Protect your digital assets with our advanced security
47         assessment and monitoring solutions.
48       </p>
49     </details>
50     <details class="mb-4 bg-white shadow p-4 rounded">
51       <summary class="font-semibold cursor-pointer">
52         Software Development
53       </summary>
54       <p class="mt-3 text-gray-600">
55         Custom software solutions designed to improve efficiency
56         and enhance customer experience.
57       </p>
58     </details>
59   </section>
60 </body>
61 </html>
```

contact.html:

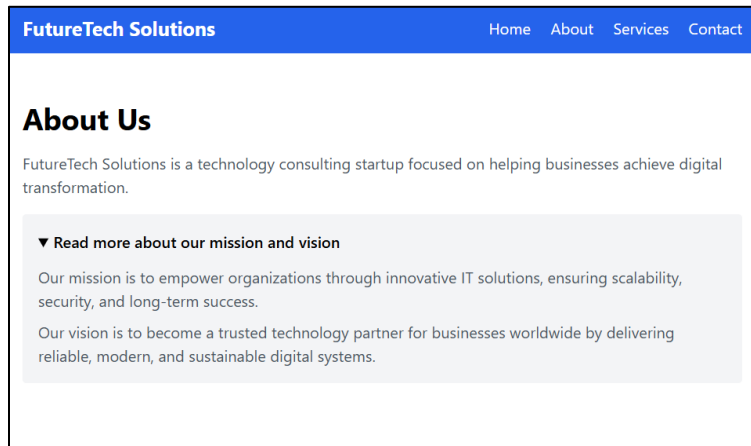
```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>FutureTech Solutions</title>
7    <script src="https://cdn.tailwindcss.com"></script>
8  </head>
9  <body>
10   <nav class="bg-blue-600 text-white">
11     <div class="max-w-7xl mx-auto px-4 py-3 flex justify-between items-center">
12       <h1 class="text-xl font-bold">FutureTech Solutions</h1>
13       <div class="space-x-4">
14         <a href="index.html" class="hover:underline">Home</a>
15         <a href="about.html" class="hover:underline">About</a>
16         <a href="services.html" class="hover:underline">Services</a>
17         <a href="contact.html" class="hover:underline">Contact</a>
18       </div>
19     </div>
20   </nav>
21   <section class="max-w-xl mx-auto py-12 px-4">
22     <h2 class="text-3xl font-bold mb-6">Contact Us</h2>
23     <form class="space-y-4">
24       <input type="text" placeholder="Your Name"
25         class="w-full border p-2 rounded">
26       <input type="email" placeholder="Email Address"
27         class="w-full border p-2 rounded">
28       <textarea placeholder="Your Message"
29         class="w-full border p-2 rounded"></textarea>
30       <button class="bg-blue-600 text-white px-4 py-2 rounded">Submit</button>
31     </form>
32   </section>
33 </body>
34 </html>
```

Output:

Home page:



About page:



Services page:

FutureTech Solutions[Home](#)[About](#)[Services](#)[Contact](#)

Our Services

▼ IT Consulting & Strategy

We help businesses plan and implement effective IT strategies aligned with their goals.

▼ Cloud Computing Solutions

Secure and scalable cloud services including migration, deployment, and management.

▼ Cybersecurity Services

Protect your digital assets with our advanced security assessment and monitoring solutions.

▼ Software Development

Custom software solutions designed to improve efficiency and enhance customer experience.

Contact page:

FutureTech Solutions[Home](#)[About](#)[Services](#)[Contact](#)

Contact Us

Your Name

Email Address

Your Message

Submit