



K4 CSF3123 WEB-BASED INTERFACE DESIGN

SEM 3

LAB REPORT 8:

BOOTSTRAP

PREPARED FOR:

ASSOC. PROF. TS. DR. WAN NURAL JAWAHIR

LAB ASSISTANT:

MISS WAN FATIN FATIAH

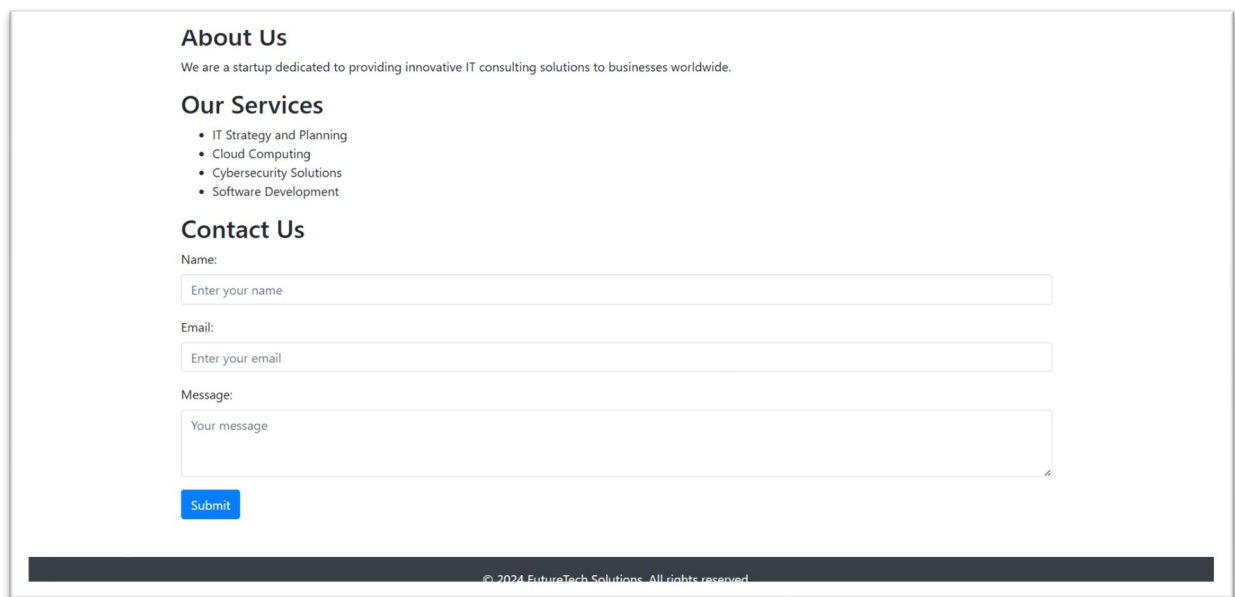
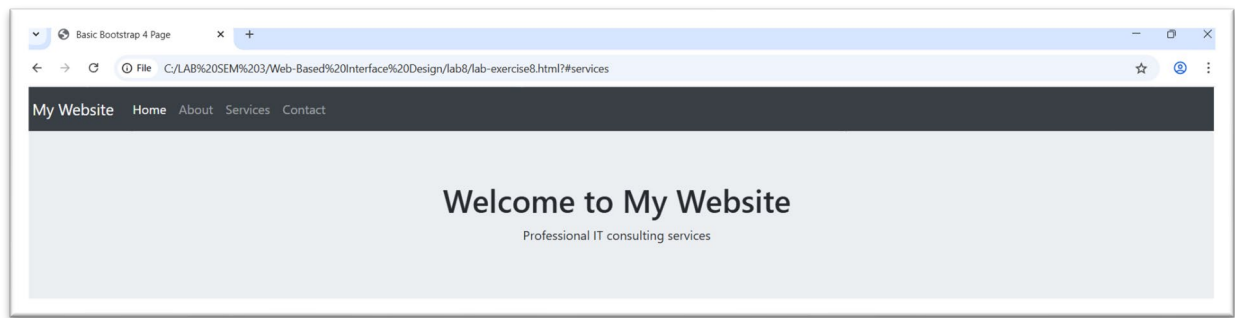
PREPARED BY:

WAN NUR SYAFIQAH IZANI BINTI WAN HIZHAN

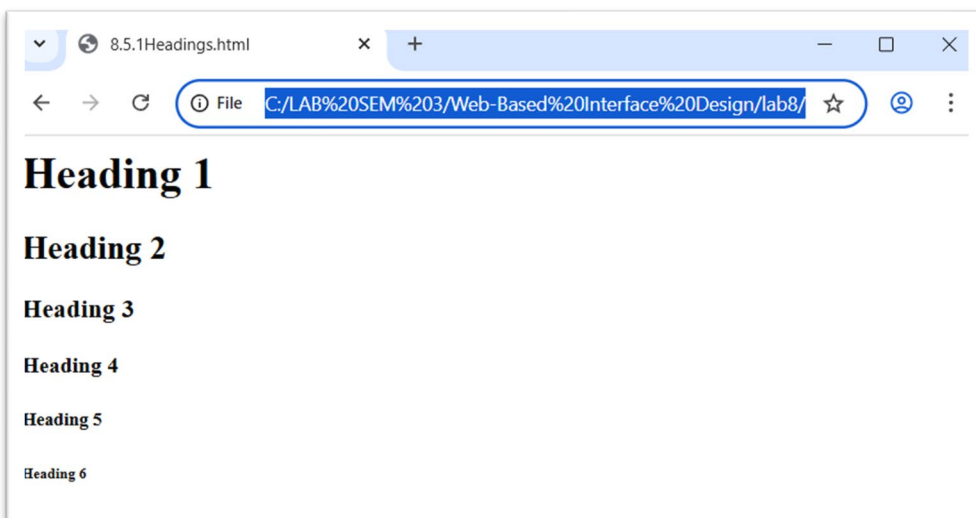
NO. MATRIC: **S75776**

SUBMIT BY: 18/12/2025

8.3 Create First Web Page with Bootstrap



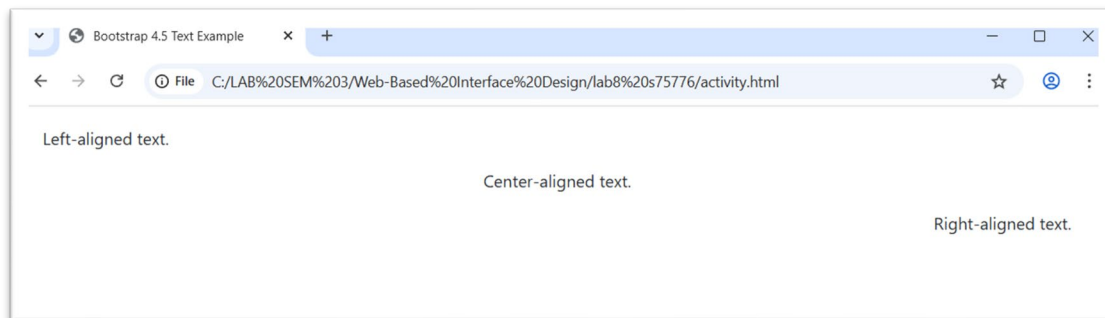
8.5.1 Headings



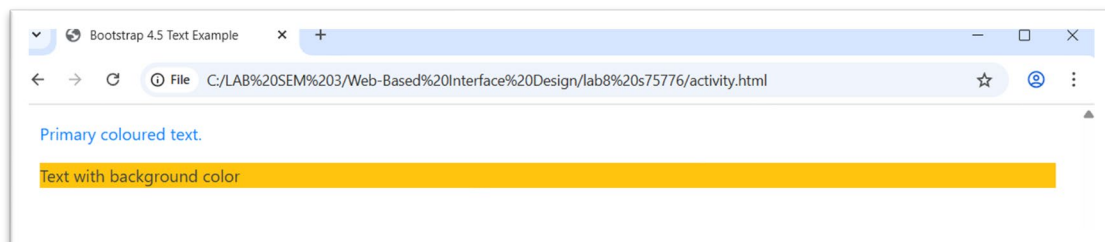
8.5.2 Display Headings



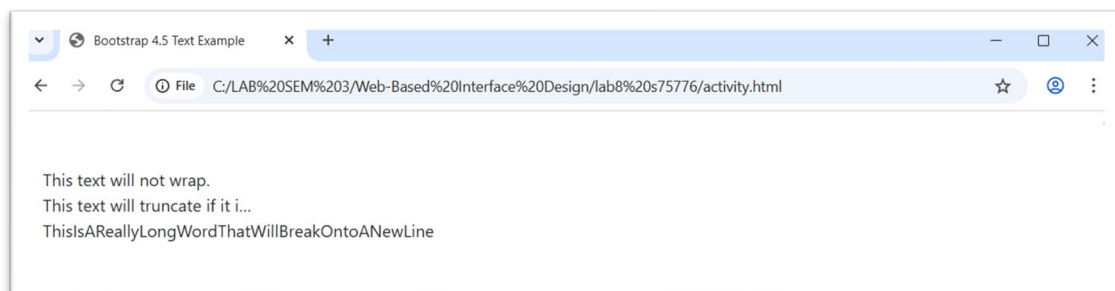
8.5.3 Inline Text Elements



8.5.4 Text Color and Background



8.5.5 Text Wrapping and Overflow



8.5.6 Font Size

Large text

Medium text

Small text

Bold text

Light and italic text

This text has a larger line height (lead class).

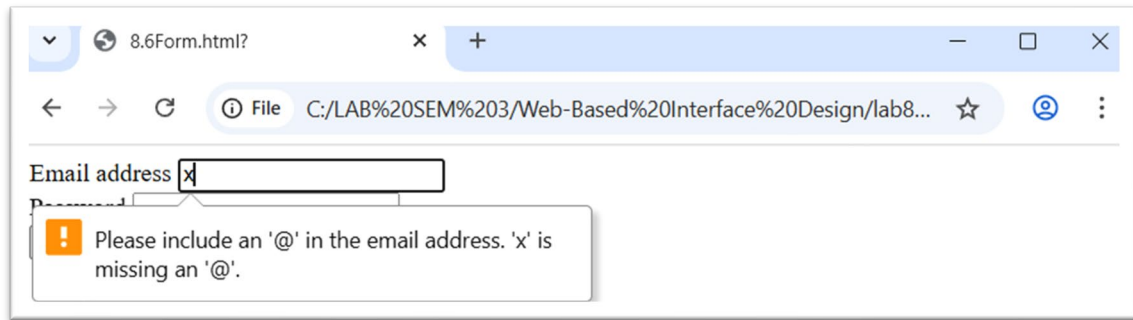
Item 1

Item 2

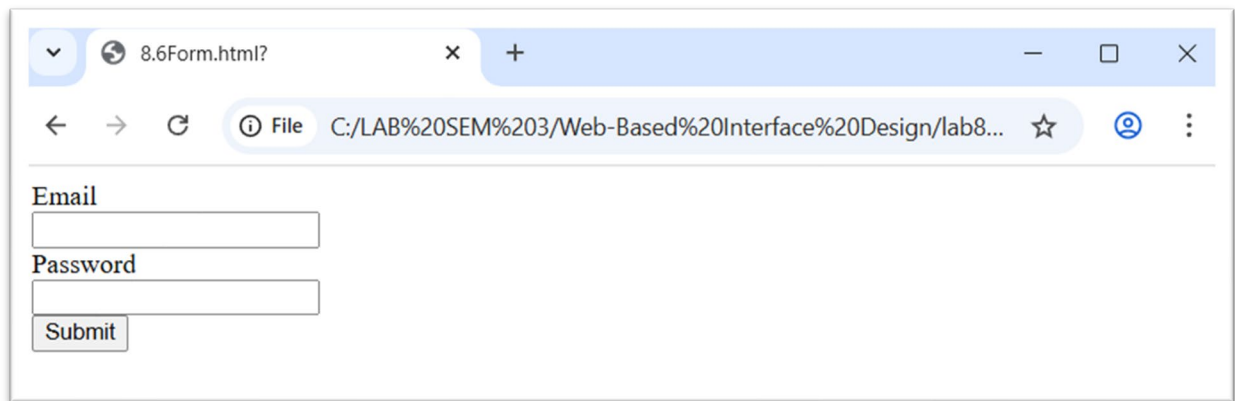
Item 1 Item 2

8.6.1 Basic Form Structure

The image displays two browser window screenshots of a web form. The top screenshot shows a form with the following elements: an 'Email address' label above an input field containing 'name@example.com'; a 'Password' label above an empty input field; a 'Remember me' checkbox; and a blue 'Submit' button. The bottom screenshot shows the same form, but with a black rectangular focus box around the 'Email address' input field. The browser's address bar in both screenshots shows a local file path: 'C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6Form.html'.

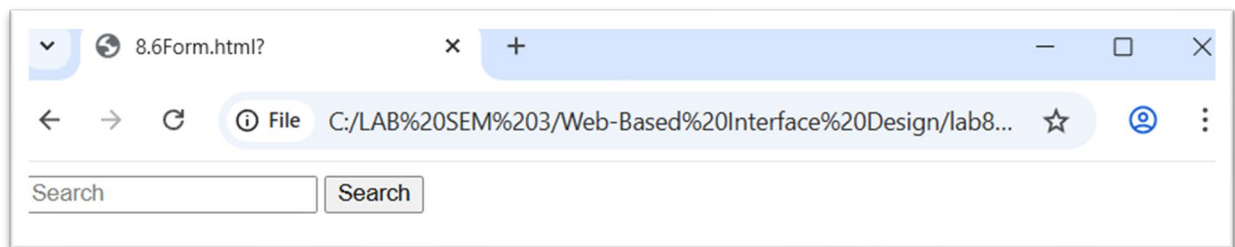


8.6.2 Form layouts



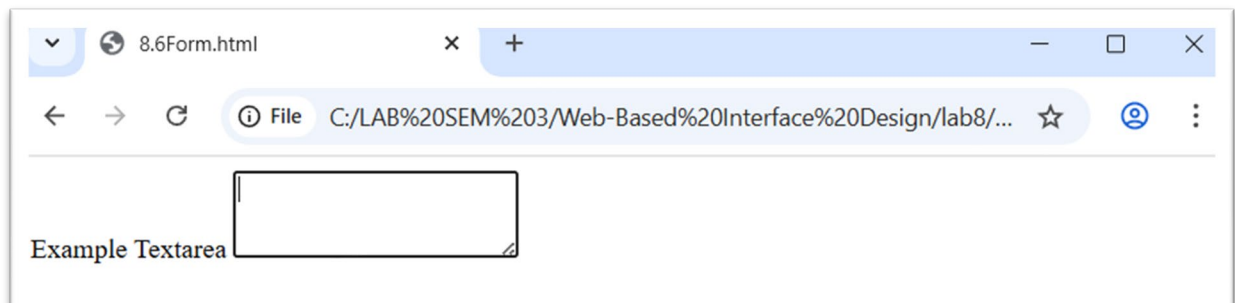
A screenshot of a web browser window displaying a form titled "8.6Form.html?". The browser's address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The form contains three elements: an "Email" label followed by a text input field, a "Password" label followed by a text input field, and a "Submit" button below the password field.

8.6.3 Inline Forms



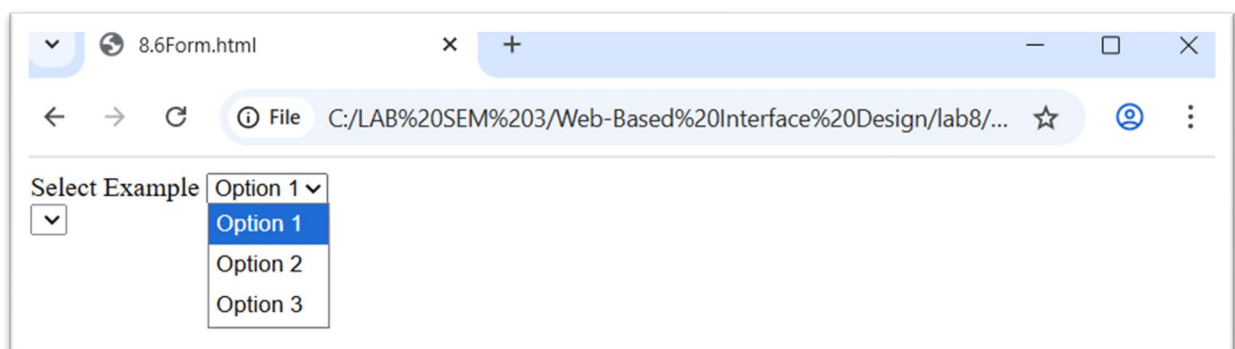
A screenshot of a web browser window displaying a form titled "8.6Form.html?". The browser's address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The form consists of a single line with a "Search" text input field and a "Search" button placed immediately to its right.

8.6.4 Form Controls



A screenshot of a web browser window displaying a form titled "8.6Form.html". The browser's address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The form contains a label "Example Textarea" followed by a multi-line text area control.

8.6.5 Select Menus



A screenshot of a web browser window displaying a form titled "8.6Form.html". The browser's address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The form contains a label "Select Example" followed by a dropdown menu. The dropdown menu is open, showing three options: "Option 1", "Option 2", and "Option 3". The "Option 1" is currently selected and highlighted in blue.

8.6.6 Form Validation

8.6Form.html

File C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...

Username

Looks good !

Password

Please choose a stronger password.

8.6.7 Checkboxes and Radios

8.6Form.html

File C:/LAB%20SEM%203/Web-Based%20

☐ Check me out

8.6Form.html

File C:/LAB%20SEM%203/Web-Based%20

☒ Check me out

8.6Form.html

File C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...

☒ Option 1

☐ Option 2

8.6.8 Input Groups

8.6Form.html

File C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6F

@

Bootstrap | index(Bootstrap) | File

C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6form.html

Email address

name@example.com

Password

☐ Remember me

Submit

8.7

Bootstrap Theme Example

C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab7%20s75776/lab%20exercise%207/BootstrapTheme.html#

[My Theme](#)

Welcome to My Themed Website

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

Themed Bootstrap Page

C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab7%20s75776/lab%20exercise%207/ThemedPage.html

Welcome to My Themed Page

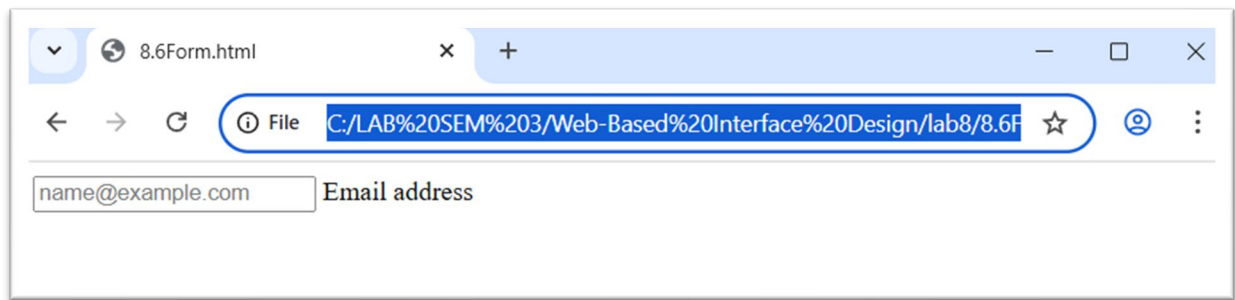
Using a Bootstrap theme

About

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

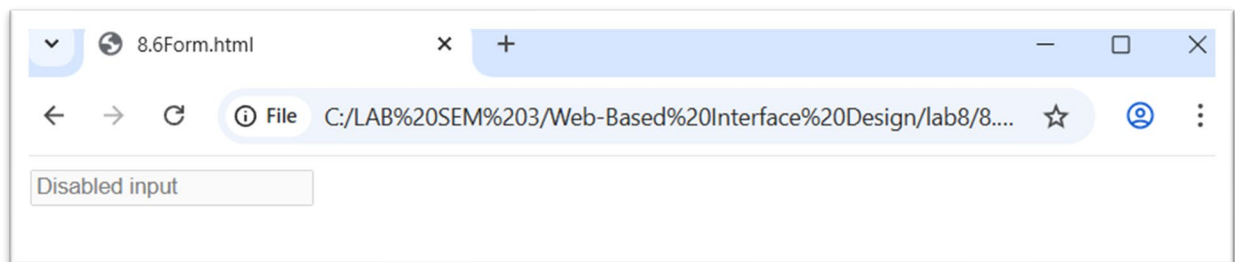
Example

8.6.9 Floating Labels

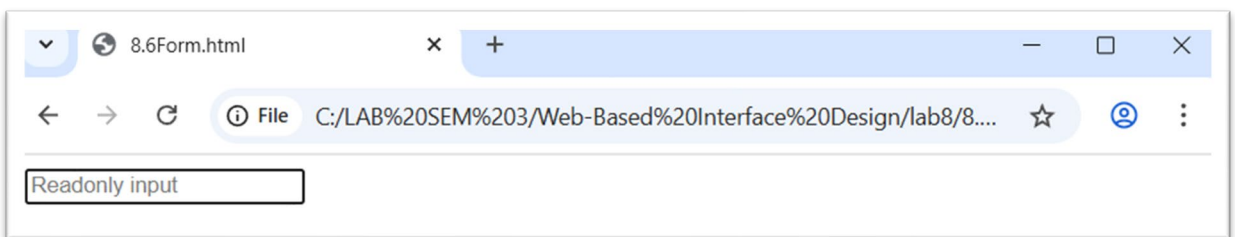


A screenshot of a web browser window titled "8.6Form.html". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6F". Below the address bar, there is a text input field with the placeholder text "name@example.com" and a label "Email address" positioned above it, illustrating a floating label design.

8.6.10 Disabled and Readonly Inputs

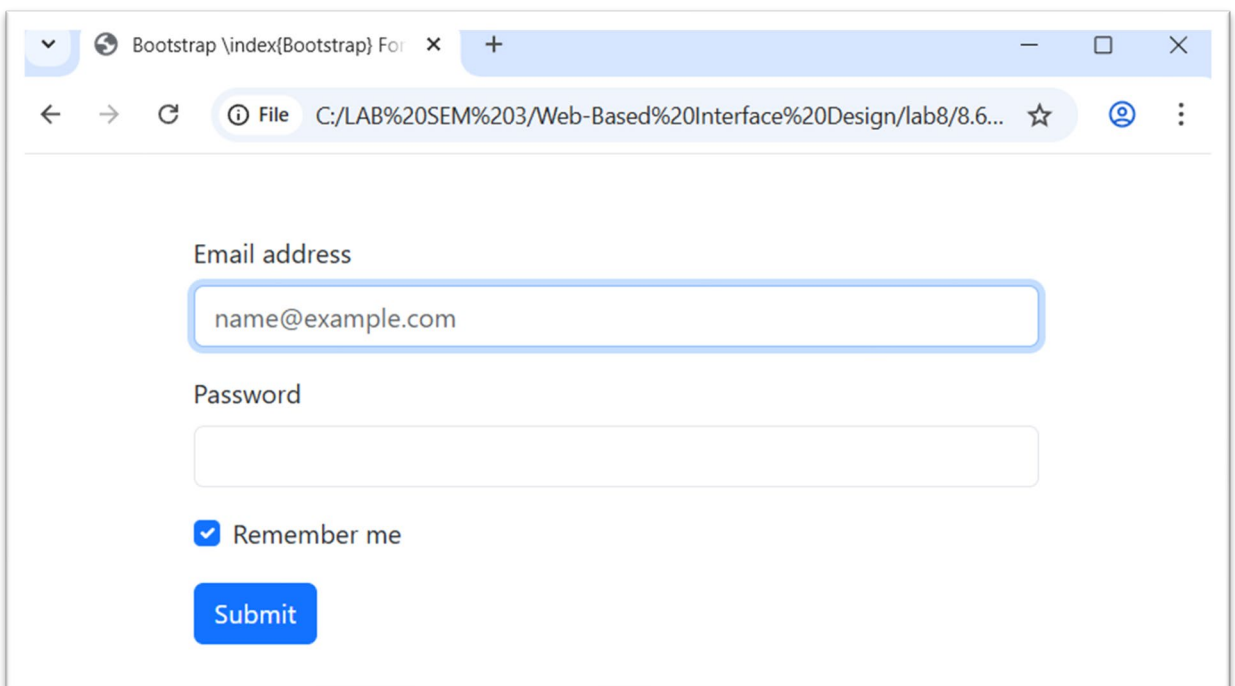


A screenshot of a web browser window titled "8.6Form.html". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8....". Below the address bar, there is a text input field with the placeholder text "Disabled input". The input field is disabled, indicated by a light gray background and a thin border.



A screenshot of a web browser window titled "8.6Form.html". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8....". Below the address bar, there is a text input field with the placeholder text "Readonly input". The input field is readonly, indicated by a thin border and a light gray background.

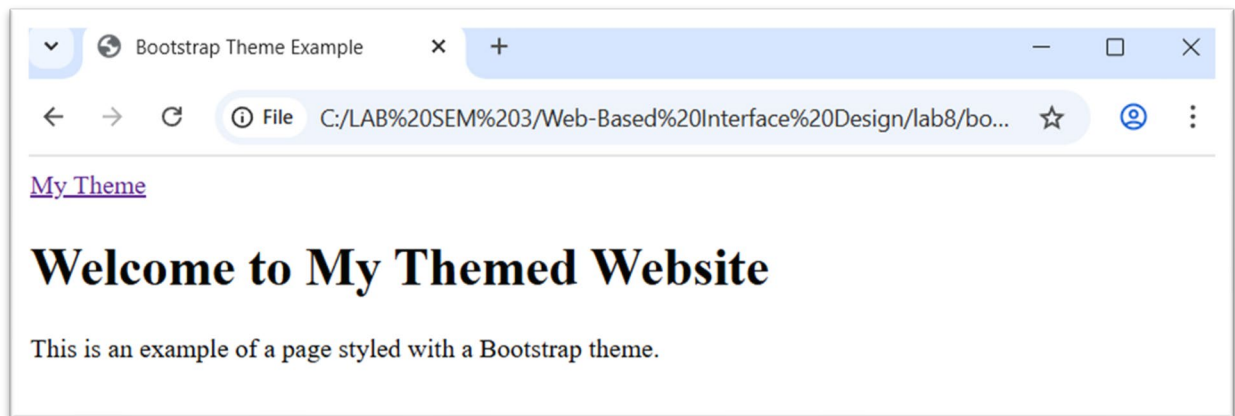
8.6.11 Example Forms



A screenshot of a web browser window titled "Bootstrap \index(Bootstrap) For". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6...". The form contains the following elements:

- An "Email address" label above a text input field containing "name@example.com".
- A "Password" label above a text input field.
- A checkbox labeled "Remember me" which is checked.
- A blue "Submit" button.

8.7 Using Bootstrap Theme

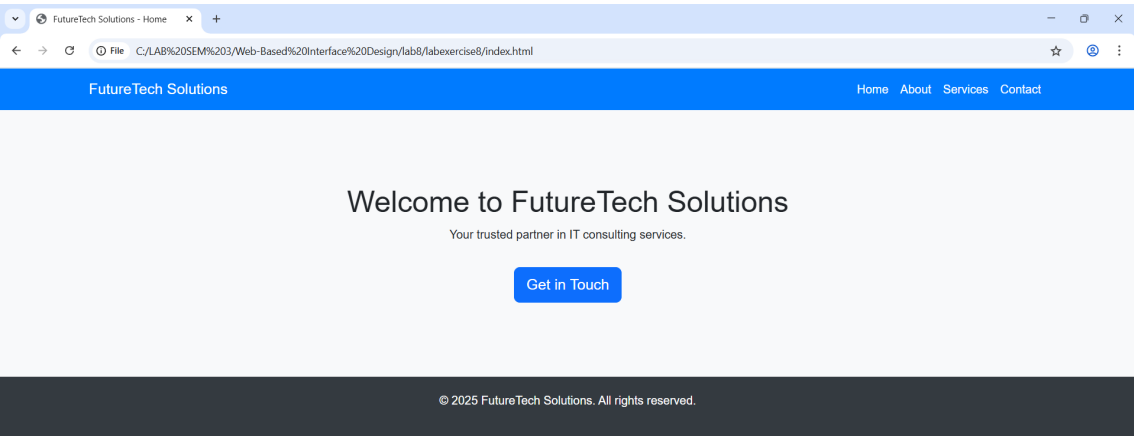


Lab Exercise

Index.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 - Home</title>
7    <link rel="stylesheet" href="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/css/bootstrap.css">
8    <style>
9      body { font-family: Arial, sans-serif; }
10     .navbar { background-color: #007bff; }
11     .navbar-brand, .nav-link { color: white !important; }
12     .hero-section { background: #f8f9fa; padding: 100px 0; text-align: center; }
13     .footer { background: #343a40; color: white; padding: 20px 0; text-align: center; }
14   </style>
15 </head>
16 <body>
17   <!-- Navbar -->
18   <nav class="navbar navbar-expand-lg navbar-dark">
19     <div class="container">
20       <a class="navbar-brand" href="index.html">FutureTech Solutions</a>
21       <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
22         <span class="navbar-toggler-icon"></span>
23       </button>
24       <div class="collapse navbar-collapse" id="navbarNav">
25         <ul class="navbar-nav ms-auto">
26           <li class="nav-item"><a class="nav-link active" href="index.html">Home</a></li>
27           <li class="nav-item"><a class="nav-link" href="about.html">About</a></li>
28           <li class="nav-item"><a class="nav-link" href="services.html">Services</a></li>
29           <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
30         </ul>
31       </div>
32     </div>
33   </nav>
34
35   <!-- Hero Section -->
36   <section class="hero-section">
37     <div class="container">
38       <h1>Welcome to FutureTech Solutions</h1>
39       <p>Your trusted partner in IT consulting services.</p>
40       <a href="contact.html" class="btn btn-primary btn-lg mt-3">Get in Touch</a>
41     </div>
42   </section>
43
44   <!-- Footer -->
45   <footer class="footer">
46     <div class="container">
47       <p>&copy; 2025 FutureTech Solutions. All rights reserved.</p>
48     </div>
49   </footer>
50
51   <script src="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/js/bootstrap.bundle.min.js"></script>
52 </body>
53 </html>
54
```

Home page



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 - Contact</title>
7   <link rel="stylesheet" href="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/css/bootstrap.css">
8   <style>
9     body { font-family: Arial, sans-serif; }
10    .navbar { background-color: #007bff; }
11    .navbar-brand, .nav-link { color: white !important; }
12    .contact-section { padding: 80px 0; }
13    .footer { background: #343a40; color: white; padding: 20px 0; text-align: center; }
14  </style>
15 </head>
16 <body>
17   <!-- Navbar -->
18   <nav class="navbar navbar-expand-lg navbar-dark">
19     <div class="container">
20       <a class="navbar-brand" href="index.html">FutureTech Solutions</a>
21       <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
22         <span class="navbar-toggler-icon"></span>
23       </button>
24       <div class="collapse navbar-collapse" id="navbarNav">
25         <ul class="navbar-nav ms-auto">
26           <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>
27           <li class="nav-item"><a class="nav-link" href="about.html">About</a></li>
28           <li class="nav-item"><a class="nav-link" href="services.html">Services</a></li>
29           <li class="nav-item"><a class="nav-link active" href="contact.html">Contact</a></li>
30         </ul>
31       </div>
32     </div>
33   </nav>
```

```
35   <!-- Contact Form Section -->
36   <section class="contact-section">
37     <div class="container">
38       <h2 class="text-center mb-5">Contact Us</h2>
39       <div class="row justify-content-center">
40         <div class="col-md-6">
41           <form>
42             <div class="mb-3">
43               <label for="name" class="form-label">Full Name</label>
44               <input type="text" class="form-control" id="name" placeholder="Your Name">
45             </div>
46             <div class="mb-3">
47               <label for="email" class="form-label">Email Address</label>
48               <input type="email" class="form-control" id="email" placeholder="Your Email">
49             </div>
50             <div class="mb-3">
51               <label for="message" class="form-label">Message</label>
52               <textarea class="form-control" id="message" rows="5" placeholder="Your Message"></textarea>
53             </div>
54             <button type="submit" class="btn btn-primary w-100">Send Message</button>
55           </form>
56         </div>
57       </div>
58     </div>
59   </section>
60
61   <!-- Footer -->
62   <footer class="footer">
63     <div class="container">
64       <p>&copy; 2025 FutureTech Solutions. All rights reserved.</p>
65     </div>
66   </footer>
67
68   <script src="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/js/bootstrap.bundle.min.js"></script>
69 </body>
```

Contact page

FutureTech Solutions - Contact

C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/labexercise8/contact.html

FutureTech Solutions

HomeAboutServicesContact

Contact Us

Full Name

Your Name

Email Address

Your Email

Message

Your Message

Send Message

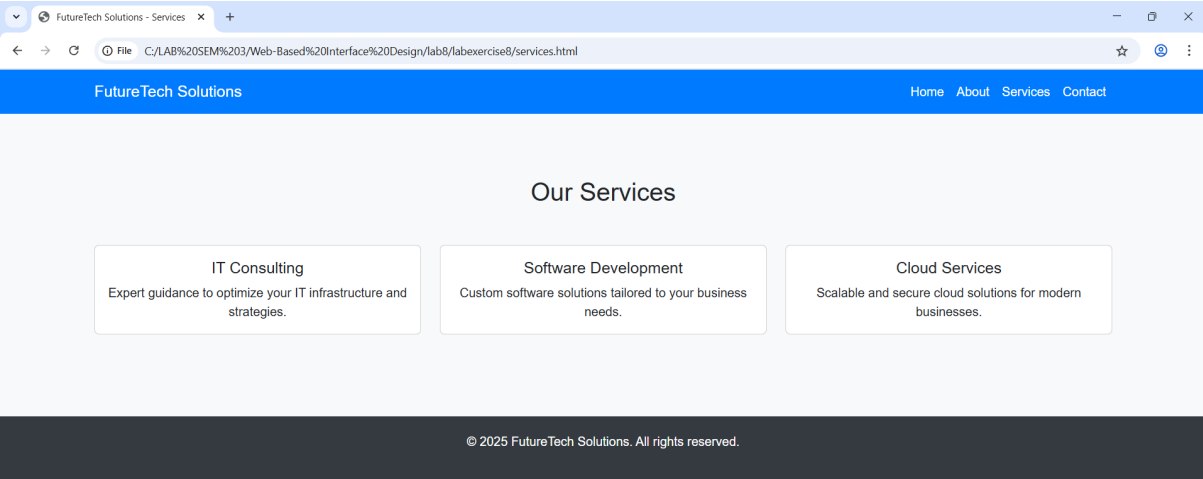
© 2025 FutureTech Solutions. All rights reserved.

service.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 - Services</title>
7      <link rel="stylesheet" href="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/css/bootstrap.css">
8      <style>
9          body { font-family: Arial, sans-serif; }
10         .navbar { background-color: #007bff; }
11         .navbar-brand, .nav-link { color: white !important; }
12         .services-section { padding: 80px 0; background: #f8f9fa; }
13         .footer { background: #343a40; color: white; padding: 20px 0; text-align: center; }
14     </style>
15 </head>
16 <body>
17     <!-- Navbar -->
18     <nav class="navbar navbar-expand-lg navbar-dark">
19         <div class="container">
20             <a class="navbar-brand" href="index.html">FutureTech Solutions</a>
21             <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
22                 <span class="navbar-toggler-icon"></span>
23             </button>
24             <div class="collapse navbar-collapse" id="navbarNav">
25                 <ul class="navbar-nav ms-auto">
26                     <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>
27                     <li class="nav-item"><a class="nav-link" href="about.html">About</a></li>
28                     <li class="nav-item"><a class="nav-link active" href="services.html">Services</a></li>
29                     <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
30                 </ul>
31             </div>
32         </div>
33     </nav>
```

```
35     <!-- Services Section -->
36     <section class="services-section">
37         <div class="container">
38             <h2 class="text-center mb-5">Our Services</h2>
39             <div class="row text-center">
40                 <div class="col-md-4 mb-4">
41                     <div class="card h-100">
42                         <div class="card-body">
43                             <h5 class="card-title">IT Consulting</h5>
44                             <p class="card-text">Expert guidance to optimize your IT infrastructure and strategies.</p>
45                         </div>
46                     </div>
47                 </div>
48                 <div class="col-md-4 mb-4">
49                     <div class="card h-100">
50                         <div class="card-body">
51                             <h5 class="card-title">Software Development</h5>
52                             <p class="card-text">Custom software solutions tailored to your business needs.</p>
53                         </div>
54                     </div>
55                 </div>
56                 <div class="col-md-4 mb-4">
57                     <div class="card h-100">
58                         <div class="card-body">
59                             <h5 class="card-title">Cloud Services</h5>
60                             <p class="card-text">Scalable and secure cloud solutions for modern businesses.</p>
61                         </div>
62                     </div>
63                 </div>
64             </div>
65         </div>
66     </section>
67
68     <!-- Footer -->
69     <footer class="footer">
70         <div class="container">
71             <p>©copy; 2025 FutureTech Solutions. All rights reserved.</p>
72         </div>
73     </footer>
74
75     <script src="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/js/bootstrap.bundle.min.js"></script>
76 </body>
77 </html>
78
```

Service Page



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 - About</title>
7   <link rel="stylesheet" href="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/css/bootstrap.css">
8   <style>
9     body { font-family: Arial, sans-serif; }
10    .navbar { background-color: #007bff; }
11    .navbar-brand, .nav-link { color: white !important; }
12    .content-section { padding: 80px 0; }
13    .footer { background: #343a40; color: white; padding: 20px 0; text-align: center; }
14  </style>
15 </head>
16 <body>
17   <!-- Navbar -->
18   <nav class="navbar navbar-expand-lg navbar-dark">
19     <div class="container">
20       <a class="navbar-brand" href="index.html">FutureTech Solutions</a>
21       <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
22         <span class="navbar-toggler-icon"></span>
23       </button>
24       <div class="collapse navbar-collapse" id="navbarNav">
25         <ul class="navbar-nav ms-auto">
26           <li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>
27           <li class="nav-item"><a class="nav-link active" href="about.html">About</a></li>
28           <li class="nav-item"><a class="nav-link" href="services.html">Services</a></li>
29           <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>
30         </ul>
31       </div>
32     </div>
33   </nav>
34
35   <!-- About Section -->
36   <section class="content-section">
37     <div class="container">
38       <h2 class="text-center mb-4">About Us</h2>
39       <p>FutureTech Solutions is dedicated to delivering innovative IT consulting services that empower businesses to grow and succeed. Our mission is to provide reliable, efficient, and customized solutions for every client.</p>
40       <p>We focus on building long-term partnerships and helping our clients leverage technology for better outcomes. Our team of experts has extensive experience in IT consulting, software development, and cloud solutions.</p>
41     </div>
42   </section>
43
44   <!-- Footer -->
45   <footer class="footer">
46     <div class="container">
47       <p>&copy; 2025 FutureTech Solutions. All rights reserved.</p>
48     </div>
49   </footer>
50
51   <script src="C:/LAB SEM 3/Web-Based Interface Design/lab8/labexercise8/bootstrap-5.3.8-dist/js/bootstrap.bundle.min.js"></script>
52 </body>
53 </html>
```

About us page

