



K4 CSF3123 WEB-BASED INTERFACE DESIGN

SEM 3

LAB REPORT 8:

BOOTSTRAP

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SUBMIT BY: **18/12/2025**

8.3 Create First Web Page with Bootstrap

The screenshot shows a web browser window with the title bar "Basic Bootstrap 4 Page". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/lab-exercise8.html?#services". The page content includes a dark header bar with "My Website" and navigation links "Home", "About", "Services", and "Contact". Below the header is a main section with the heading "Welcome to My Website" and the subtitle "Professional IT consulting services".

About Us
We are a startup dedicated to providing innovative IT consulting solutions to businesses worldwide.

Our Services

- IT Strategy and Planning
- Cloud Computing
- Cybersecurity Solutions
- Software Development

Contact Us

Name:

Email:

Message:

Submit

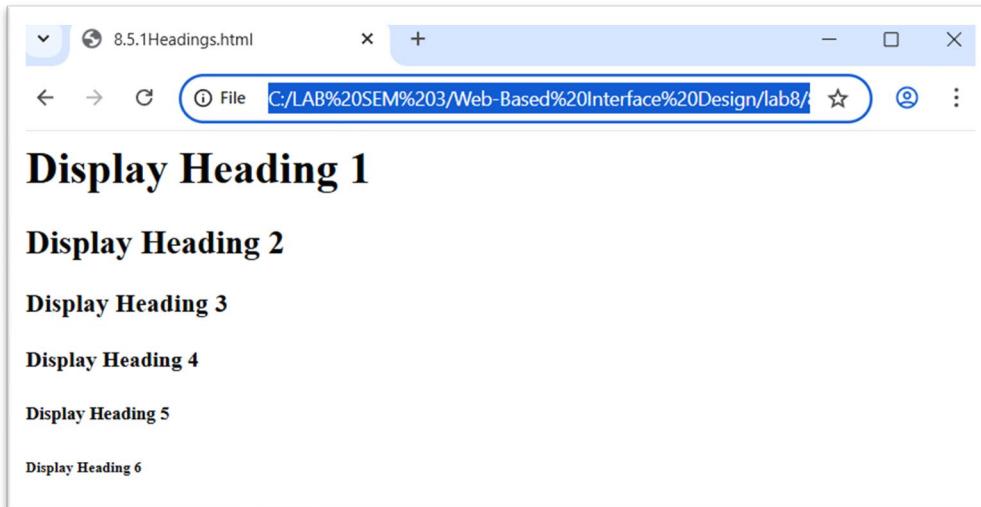
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8.5.1 Headings

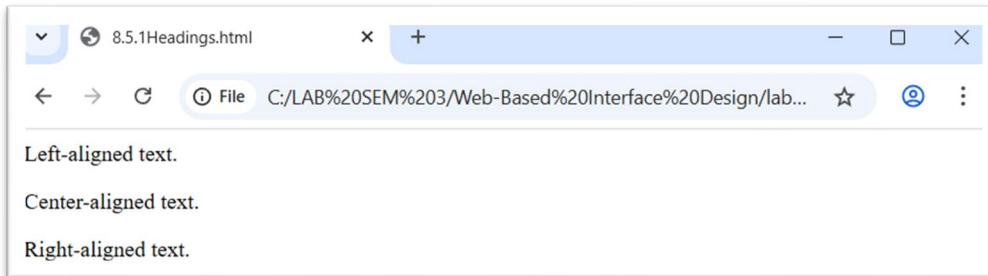
The screenshot shows a web browser window with the title bar "8.5.1Headings.html". The address bar shows the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/". The page content displays a series of headings from H1 down to H6:

- Heading 1**
- Heading 2**
- Heading 3**
- Heading 4**
- Heading 5**
- Heading 6**

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

8.6.1 Basic Form Structure

The image consists of three vertically stacked screenshots of a web browser window. Each screenshot shows a simple form with fields for Email address and Password, and a Submit button. The first screenshot shows the initial state with valid input. The second screenshot shows the form after the email field has been modified to contain an invalid value ('x'). The third screenshot shows the form after the email field has been corrected to contain a valid email address ('name@example.com').

Email address
name@example.com

Password

Remember me

Submit

Email address name@example.com

Password

Submit

Email address x

Please include an '@' in the email address. 'x' is missing an '@'.

8.6.2 Form layouts

A screenshot of a web browser window titled "8.6Form.html?". The address bar shows the path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The page content contains a form with three fields: "Email" (text input), "Password" (text input), and a "Submit" button.

8.6.3 Inline Forms

A screenshot of a web browser window titled "8.6Form.html?". The address bar shows the path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The page content contains a form with two inline elements: a "Search" input field and a "Search" button.

8.6.4 Form Controls

A screenshot of a web browser window titled "8.6Form.html". The address bar shows the path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The page content contains a form with a text area labeled "Example Textarea".

8.6.5 Select Menus

A screenshot of a web browser window titled "8.6Form.html". The address bar shows the path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8...". The page content contains a form with a select menu labeled "Select Example" containing three options: "Option 1", "Option 2", and "Option 3".

8.6.6 Form Validation

The screenshot shows a web browser window with the title "8.6Form.html". The address bar indicates the file is located at "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The page content includes a "Username" input field containing "Correct Input", which is highlighted in green. Below it, the message "Looks good!" is displayed. There is also a "Password" input field and a message "Please choose a stronger password." A "Submit" button is present at the bottom.

8.6.7 Checkboxes and Radios

The screenshot shows a web browser window with the title "8.6Form.html". The address bar indicates the file is located at "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The page content includes a checkbox labeled "Check me out" which is currently unchecked.

The screenshot shows a web browser window with the title "8.6Form.html". The address bar indicates the file is located at "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The page content includes a checkbox labeled "Check me out" which is now checked.

The screenshot shows a web browser window with the title "8.6Form.html". The address bar indicates the file is located at "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/...". The page content includes two radio buttons: "Option 1" (selected) and "Option 2".

8.6.8 Input Groups

The screenshot shows a web browser window with the title "8.6Form.html". The address bar indicates the file is located at "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6F...". The page content includes an input field with a placeholder "@ Username".

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/lab8/8.6form.html. The page content is a simple login form with fields for Email address and Password, a Remember me checkbox, and a Submit button.

Email address
name@example.com

Password

Remember me

Submit

8.7



Welcome to My Themed Website

This is an example of a page styled with 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". The page contains a single input field with the placeholder text "Email address". To the left of the input field, the text "name@example.com" is displayed, illustrating a floating label effect where the placeholder moves when the input field has focus.

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/lab8/8.6F". The page contains a single input field with the placeholder text "Disabled input". The input field is displayed with a light gray background and a thin border, indicating it is disabled.

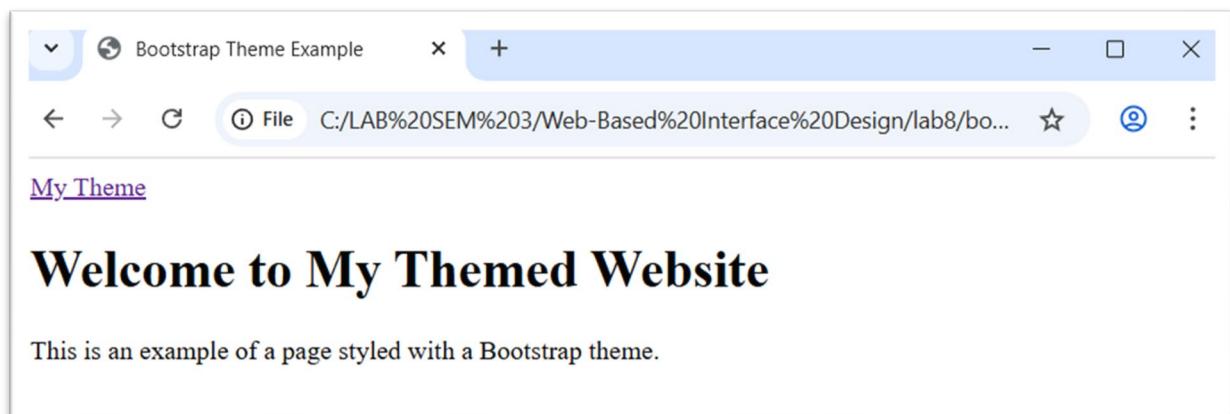
A screenshot of a web browser window titled "8.6Form.html". The address bar shows the file path: "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/8.6F". The page contains a single input field with the placeholder text "Readonly input". The input field is displayed with a light gray background and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

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/lab8/8.6F". The page displays a form with the following fields:

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

8.7 Using Bootstrap Theme

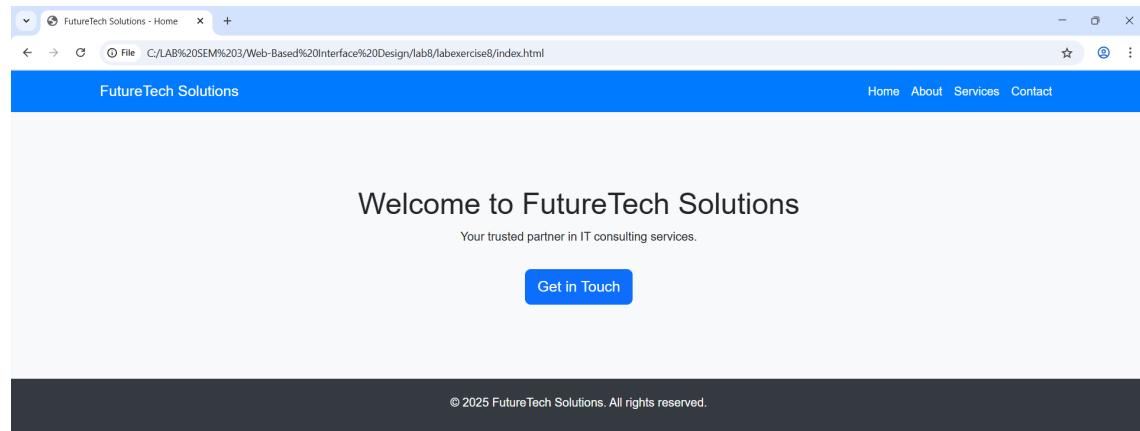


Lab Exercise

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>© 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>
```

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: #fff !important; }
12         .contact-section { padding: 80px 0; }
13         .footer { background: #343a40; color: #fff; 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>
34
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>© 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

The screenshot shows a web browser window with the title "FutureTech Solutions - Contact". The address bar displays the file path "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/labexercise8/contact.html". The page header "FutureTech Solutions" is followed by a navigation menu with links to "Home", "About", "Services", and "Contact". The main content area is titled "Contact Us" and contains three input fields: "Full Name" (placeholder "Your Name"), "Email Address" (placeholder "Your Email"), and "Message" (placeholder "Your Message"). A blue "Send Message" button is positioned below the message input field. At the bottom of the page is a dark footer bar with the copyright notice "© 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 active"><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>
34
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>© 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>
```

Service Page

The screenshot shows a web browser window with the title bar "FutureTech Solutions - Services". The address bar displays the URL "C:/LAB%20SEM%203/Web-Based%20Interface%20Design/lab8/labexercise8/services.html". The page content is titled "Our Services" and features three service categories: "IT Consulting", "Software Development", and "Cloud Services", each with a brief description. At the bottom of the page is a dark footer bar with the copyright notice "© 2025 FutureTech Solutions. All rights reserved."

FutureTech Solutions

Home About Services Contact

Our Services

IT Consulting
Expert guidance to optimize your IT infrastructure and strategies.

Software Development
Custom software solutions tailored to your business needs.

Cloud Services
Scalable and secure cloud solutions for modern businesses.

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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 active"><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>© 2025 FutureTech Solutions. All rights reserved.</p>
48     </div>
49   </footer>
50
51 </body>
52 </html>
```

About us page



About Us

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.

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.

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