

CHAPTER 1

INTRODUCTION

Welcome to the Future Tech Website Project – a revolutionary online platform that not only showcases the latest in technological advancements but also actively engages with you, our valued users. In an era where technology shapes our lives, we've created a digital space where information meets interaction.

About Future Tech

Future Tech is at the forefront of innovation, constantly pushing the boundaries of what's possible in the tech world. As pioneers in AI-driven solutions, cybersecurity, IoT, and more, we're committed to making the future brighter through technology. Our journey started in [Year] and has been marked by groundbreaking projects, unmatched expertise, and a passion for progress.

CHAPTER 2

IMPLEMENTATION

HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FutureTech - Home</title>
  <link rel="stylesheet" href="style.css">
</head>
<body >
  <section class="bg">
    <header>
      <h1>Welcome to FutureTech</h1>
      <nav class="w">
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="about.html">About</a></li>
          <li><a href="contact.html">Contact</a></li>
        </ul>
      </nav>
    </header>

    <main>
      <section>
        <h2>Welcome to the Future</h2>
        <p>Explore the latest advancements in technology and science.</p>
      </section>
    </main>
    <footer>
      <p>&copy; 2023 FutureTech</p>
    </footer>
  </section>
</body>
</html>
```

The provided HTML code represents a webpage for a website named "FutureTech." The document structure adheres to HTML5 standards, including appropriate meta tags for character encoding and viewport settings. The title of the webpage,

"FutureTech - Home," is defined within the `<title>` element.

The webpage is organized into distinct sections using semantic HTML elements. A `<section>` element with the class "bg" serves as the overall container for the content. Inside this section, there is a `<header>` containing a prominent `<h1>` heading, "Welcome to FutureTech," indicating the main purpose of the webpage. Additionally, a navigation menu is implemented using an unordered list `` with individual list items ``, each containing an anchor `<a>` element linking to "Home," "About," and "Contact" pages.

Within the `<main>` section, there is another `<section>` element featuring an `<h2>` subheading, "Welcome to the Future," and a descriptive paragraph. This section provides visitors with an introduction to the website's focus, which centers around exploring the latest advancements in technology and science.

The webpage concludes with a `<footer>` element, which typically appears at the bottom of the page. In this footer, there is a copyright notice, "© 2023 FutureTech," indicating the year and the name of the website.

External styling is applied to the webpage through a link to an external CSS file named "style.css." This suggests that visual design elements and layout instructions are likely defined in this separate stylesheet.

```
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  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FutureTech - Home</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <section class="bg">
    <header>
      <h1>Welcome to FutureTech</h1>
      <nav>
```

```
        <ul>
            <li><a href="index.html">Home</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="contact.html">Contact</a></li>
        </ul>
    </nav>
</header>
<main>
    <section>
        <h2>About FutureTech</h2>
        <p>We are a leading company dedicated to shaping the future through
innovation and technology.</p>
    </section>
</main>
<footer>
    <p>&copy; 2023 FutureTech</p>
</footer>
</section>
</body>
</html>
```

Within the `<section>`, there is a `<header>` element featuring a prominent `<h1>` heading, "Welcome to FutureTech," introducing the primary purpose of the webpage. Additionally, a navigation menu is included within the header, implemented using a `<nav>` element. This menu consists of an unordered list `` with list items ``, each containing anchor `<a>` elements that link to "Home," "About," and "Contact" pages. This structure implies that the webpage is part of a broader website with multiple sections.

The `<main>` section of the webpage includes a nested `<section>` element. This nested section contains an `<h2>` subheading, "About FutureTech," followed by a paragraph of text that briefly describes FutureTech as a leading company dedicated to shaping the future through innovation and technology.

CSS Code

```
/* Add your CSS styles here to customize the appearance of your website */
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
}

.bg{
    background-image: url('/5166950.jpg');
    height: 100v;
}

header {
    background-color: #9d92c6;
    color: #fff;
    padding: 10px;
}

nav ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
}

nav ul li {
    display: inline;
    margin-right: 20px;
}

main {
    max-width: 800px;
    margin: 20px auto;
    padding: 20px;
    background-color: #fff;
}

footer {
    text-align: center;
    background-color: #40307c;
    color: #fff;
    padding: 10px;
}

* {box-sizing:border-box}

/* Slideshow container */
```

```
.slideshow-container {
  height: 100vh;
  max-width: 1000px;
  position: relative;
  margin: auto;
}

/* Hide the images by default */
.mySlides {
  display: none;
}

/* Next & previous buttons */
.prev, .next {
  cursor: pointer;
  position: absolute;
  top: 50%;
  width: auto;
  margin-top: -22px;
  padding: 16px;
  color: white;
  font-weight: bold;
  font-size: 18px;
  transition: 0.6s ease;
  border-radius: 0 3px 3px 0;
  user-select: none;
}

img{
  height: 100vh;
  width: auto;
}

/* Position the "next button" to the right */
.next {
  right: 0;
  border-radius: 3px 0 0 3px;
}

/* On hover, add a black background color with a little bit see-through */
.prev:hover, .next:hover {
  background-color: rgba(0,0,0,0.8);
}

/* Caption text */
.text {
  color: #f2f2f2;
  font-size: 15px;
  padding: 8px 12px;
  position: absolute;
```

```
    bottom: 8px;
    width: 100%;
    text-align: center;
}

/* Number text (1/3 etc) */
.numbertext {
    color: #f2f2f2;
    font-size: 12px;
    padding: 8px 12px;
    position: absolute;
    top: 0;
}

/* The dots/bullets/indicators */
.dot {
    cursor: pointer;
    height: 15px;
    width: 15px;
    margin: 0 2px;
    background-color: #bbb;
    border-radius: 50%;
    display: inline-block;
    transition: background-color 0.6s ease;
}

.active, .dot:hover {
    background-color: #717171;
}

/* Fading animation */
.fade {
    animation-name: fade;
    animation-duration: 1.5s;
}

@keyframes fade {
    from {opacity: .4}
    to {opacity: 1}
}
```

It begins with styles for the **body** element, where the default font family is set to Arial or sans-serif as a fallback, and any default margin and padding are removed, ensuring a clean starting point. The overall background color of the page is defined as a light gray shade.

A background image is incorporated through the **.bg** class, but there's a typo in the **height** property, which should be **100vh** to specify the full viewport height correctly. The styling for the **header** element gives it a distinctive look, with a background color of #9d92c6 (a purple hue) and white text color. Padding is added to provide spacing and enhance visual appeal.

For the navigation menu, the **nav ul** and **nav ul li** styles remove default list styling, ensuring a clean and unordered list format. The list items are displayed inline and spaced with a margin, creating a horizontal navigation layout.

In the **main** section, styles are defined for a maximum width, margin, padding, and a white background, which collectively create a visually appealing and readable content area.

The **footer** styling includes text alignment, background color (#40307c), and white text color, giving it a distinct appearance at the bottom of the page.

Additionally, there's CSS for a slideshow container, allowing for image slideshows with previous and next buttons. The styles control button appearance, hover effects, caption text, and dot indicators.

Finally, a fading animation effect is applied to the slideshow images using the **@keyframes** rule, enhancing the user experience with subtle transitions.

Javascript Code

```
<script>
  // Get a reference to the button element
  var button = document.getElementById("popupButton");

  // Add a click event listener to the button
  button.addEventListener("click", function() {
    // Display a popup message when the button is clicked
    alert("MESSAGE SUBMITTED!");
  });
</script>
```

First, it identifies the button element using the **getElementById** method, assigning it to the variable **button**. This step establishes a connection between the JavaScript code and the button element with the specific identifier "popupButton."

Next, an event listener is attached to the button element using the **addEventListener** method. This event listener is set to listen for a "click" event on the button. When a user clicks the button, the specified function inside the event listener is executed.

Inside the event listener function, the **alert** function is used to display a simple popup message with the text "MESSAGE SUBMITTED!" This message serves as immediate feedback to the user, providing confirmation or notification that the button click has been acknowledged.

CHAPTER 3

OUTPUT

