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# How to Create a Simple Web Page Using HTML and CSS

## Introduction

Creating a web page can seem daunting, but with HTML (HyperText Markup Language) and CSS (Cascading Style Sheets), it's easier than you might think. This tutorial will walk you through the basic steps to create a simple web page from scratch. By the end, you'll have a functional web page that showcases your content.

## Prerequisites

To follow this tutorial, you'll need:

- A text editor (e.g., Notepad++, Visual Studio Code, or Sublime Text)
- A web browser (e.g., Chrome, Firefox, Safari)

## Step 1: Set Up Your Project Folder

1. Create a new folder on your computer called `my_first_webpage`.
2. Inside this folder, create two files:

- `index.html` (for the HTML code)
- `styles.css` (for the CSS code)

## Step 2: Write the HTML Code

Open `index.html` in your text editor and add the following code:

```

html

Copy code
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>My First Web Page</title>
</head>
<body>
  <header>
    <h1>Welcome to My First Web Page!</h1>
    <nav>
      <ul>
        <li><a href="#about">About</a></li>
        <li><a href="#projects">Projects</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <main>
    <section id="about">
      <h2>About Me</h2>
      <p>Hello! I'm learning how to create web pages using HTML and CSS.</p>
    </section>

    <section id="projects">
      <h2>My Projects</h2>
      <p>Check out my projects below:</p>
      <ul>
        <li>Project 1: Simple Web Page</li>
        <li>Project 2: To-Do List App</li>
        <li>Project 3: Portfolio Website</li>
      </ul>
    </section>

    <section id="contact">
      <h2>Contact Me</h2>
      <p>You can reach me at: <a href="mailto:your-email@example.com">your-email@example.com</a></p>
    </section>
  </main>

  <footer>
    <p>&copy; 2024 My First Web Page</p>
  </footer>
</body>
</html>

```

## Explanation of HTML Code:

- The `<!DOCTYPE html>` declaration defines this document as HTML5.
- The `<head>` section contains metadata about the page, including linking to the CSS file.
- The `<body>` section contains the content that will be displayed on the web page, structured into sections with headings and paragraphs.

## Step 3: Write the CSS Code

Open `styles.css` in your text editor and add the following code:

css

Copy code

```
body {
  font-family: Arial, sans-serif;
  line-height: 1.6;
  margin: 0;
  padding: 0;
}

header {
  background: #4CAF50;
  color: white;
  padding: 10px 0;
  text-align: center;
}

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

nav ul li {
  display: inline;
  margin: 0 15px;
}

nav ul li a {
  color: white;
  text-decoration: none;
}

main {
  padding: 20px;
}

section {
  margin-bottom: 20px;
}

footer {
  text-align: center;
  padding: 10px 0;
  background: #333;
  color: white;
  position: relative;
  bottom: 0;
  width: 100%;
}
```

### Explanation of CSS Code:

- The `body` styles set the font family, line height, and remove default margins and padding.
- The `header` styles give the header a background color and center the text.
- The `nav` styles create a horizontal navigation menu.
- The `main` styles add padding to the main content area.
- The `footer` styles center the footer and set its background color.

### Step 4: View Your Web Page

1. Open the `index.html` file in your web browser.
2. You should see a simple web page with a header, navigation menu, main content sections, and a footer.

### Step 5: Customize Your Web Page

Feel free to experiment by:

- Changing the text in the HTML file.
- Modifying colors and styles in the CSS file.
- Adding images or additional sections as you learn more.

## Conclusion

Congratulations! You've just created your first web page using HTML and CSS. As you continue to explore web development, you can build upon this foundation by learning more about responsive design, JavaScript, and other web technologies. The web is an exciting space, and with practice, you can create anything you envision.