

Responsive Web Page Project

Introduction :

- This project aimed to create a responsive webpage using HTML and CSS, showcasing a simple and clean design with a focus on optimal viewing on various devices.

Project Overview :

- The project consisted of a single webpage with a header, main content section, and footer.
- The header included a navigation menu, while the main content section featured an introduction and a showcase of three features.
- The footer contained copyright information.

Technical Details :

1. HTML5 structure with semantic elements
2. CSS3 styling with media queries for responsiveness
3. Responsive design optimized for desktop, tablet, and mobile devices
4. Typography:
 - Arial, sans-serif font family
5. Color scheme:
 - Gray and white, with accents of blue

Code :

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>http://skill upgrade internship/front end developer/Project 1</title>
```

```
<link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <div class="container">
      <h1 class="site-title">My First Webpage</h1>
      <nav class="navbar">
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Services</a></li>
          <li><a href="#">Contact</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <main>
    <section id="intro">
      <div class="container">
        <h2>Welcome to My Page</h2>
        <p>This is a simple, responsive webpage using HTML and CSS.</p>
      </div>
    </section>

    <section class="features">
      <div class="container">
        <div class="feature-box">
          <h3>Feature 1</h3>
          <p>Description of feature 1</p>
        </div>
        <div class="feature-box">
          <h3>Feature 2</h3>
          <p>Description of feature 2</p>
        </div>
        <div class="feature-box">
          <h3>Feature 3</h3>
          <p>Description of feature 3</p>
        </div>
      </div>
    </section>
  </main>

  <footer>
    <div class="container">
      <p>&copy; 2024 My Responsive Webpage. All Rights Reserved.</p>
    </div>
  </footer>
```

```
</body>
</html>
```

CSS Code :

```
/* Reset some default styles */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

/* Global Styles */
body {
  font-family: Arial, sans-serif;
  line-height: 1.6;
  color: #333;
}

.container {
  width: 90%;
  max-width: 1200px;
  margin: 0 auto;
}

/* Header Styles with Rainbow Background */
header {
  background: gray;
  color: whitesmoke; /* Dark gray color for better contrast */
  padding: 1rem 0;
}

.site-title {
  text-align: center;
  margin-bottom: 1rem;
  text-shadow: 0px 0px 10px #FFFFFF; /* Adds subtle shadow for better readability */
}

.navbar ul {
  display: flex;
  justify-content: center;
  list-style: none;
}

.navbar ul li {
```

```

    margin: 0 15px;
}

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

/* Intro Section */
#intro {
    padding: 2rem 0;
    text-align: center;
}

/* Features Section */
.features {
    display: flex;
    justify-content: space-between;
    padding: 2rem 0;
    text-align: center; /* Centering the text inside each feature box */
}

.feature-box {
    background-color: #f4f4f4;
    padding: 1rem;
    width: 30%;
    border: 1px solid #ddd;
    border-radius: 5px;
}

/* Footer Styles */
footer {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 1rem 0;
    margin-top: 2rem;
}

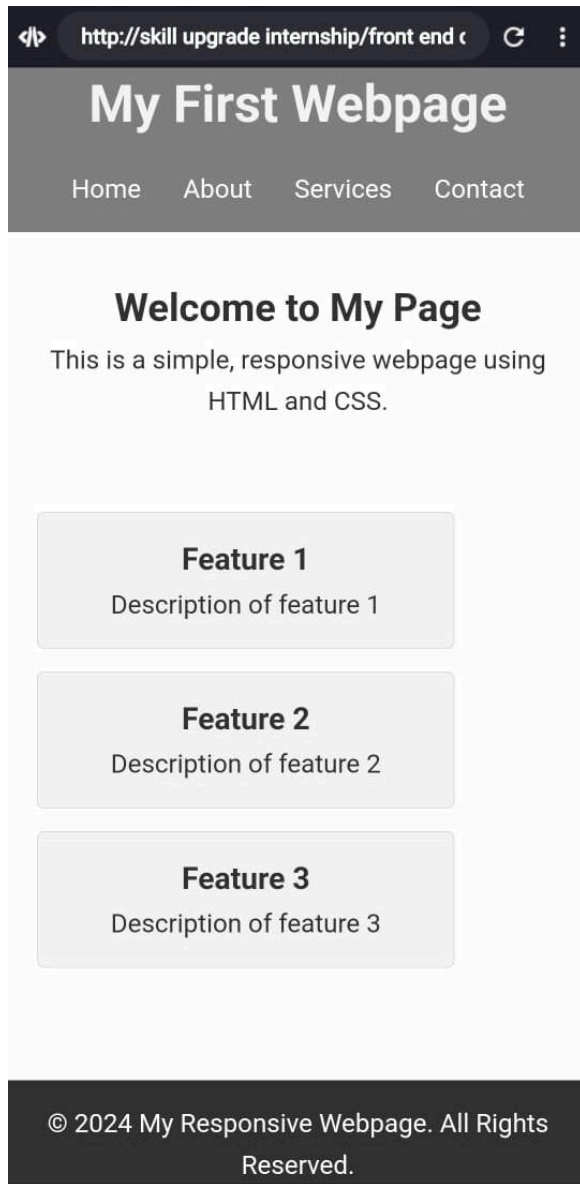
/* Media Queries for Responsiveness */
@media (max-width: 768px) {
    .features {
        flex-direction: column;
        align-items: center;
    }

    .feature-box {
        width: 80%;
    }
}

```

```
        margin-bottom: 1rem;
    }
}
```

Output :



Design and Layout :

- The webpage featured a simple and clean design, with a focus on typography and whitespace.
- The layout was responsive, adapting to different screen sizes and devices through the use of CSS media queries.

Future Enhancements :

- Implement a mobile menu for better navigation on smaller screens
- Use JavaScript to add interactivity to the webpage, such as animations or a contact form.
- Improve accessibility by adding ARIA attributes and ensuring keyboard navigation.
- Add more pages to the website, such as About, Services, and Contact pages.

Recommendations :

- Continue to test and refine the webpage's responsiveness and accessibility
- Implement future enhancements to add interactivity and expand the website's content
- Consider using a content management system (CMS) to manage and update webpage content