

Assignment 1: Implement a navigation bar using an unordered list with links to different sections of your HTML page. Use CSS to style the list as a horizontal menu and highlight the current page or section.

### **HTML File:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Navigation Bar</title>
  <link rel="stylesheet" href="styles.css"> <!-- Link
your CSS file -->
</head>
<body>
  <header>
    <nav>
      <ul class="navbar">
        <li><a href="#home">Home</a></li>
        <li><a href="#about">About</a></li>
        <li><a href="#services">Services</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <!-- Your main content sections -->
  <section id="home">
    <h2>Home Section</h2>
    <!-- Content for the Home section -->
  </section>
```

```
<section id="about">
  <h2>About Section</h2>
  <!-- Content for the About section -->
</section>

<section id="services">
  <h2>Services Section</h2>
  <!-- Content for the Services section -->
</section>

<section id="contact">
  <h2>Contact Section</h2>
  <!-- Content for the Contact section -->
</section>

</body>
</html>
```

### **Style File:**

```
/* styles.css */

/* Reset default margin and padding for list items */
.navbar {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden; /* Ensures the navbar items stay in
one line */
```

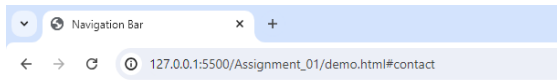
```
    background-color: #333; /* Background color of the
navbar */
}

.navbar li {
    float: left; /* Make list items float horizontally */
}

.navbar li a {
    display: block;
    color: white;
    text-align: center;
    padding: 14px 20px; /* Padding for each navbar item */
    text-decoration: none;
}

/* Change background color of active link */
.navbar li a.active {
    background-color: #4CAF50; /* Green color for active
link */
}

/* Hover effect for links */
.navbar li a:hover {
    background-color: #555; /* Darker background color
when hovering */
}
```



- [Home](#)
- [About](#)
- [Services](#)
- [Contact](#)

Home Section

About Section

Services Section

Contact Section

Assignment 2: Create a simple HTML page that includes the use of headings, paragraphs, and at least two semantic tags like <article> or <section>. Add a table with data of your choice and a form with fields for a user's name, email, and a submit button.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Assignment 2: Simple HTML Page</title>
  <style>
    table {
      width: 100%;
      border-collapse: collapse;
      margin-bottom: 20px;
    }
    table, th, td {
      border: 1px solid black;
      padding: 8px;
    }
  </style>
</head>
<body>
  <header>
    <h1>Welcome to My Simple Page</h1>
```

```
</header>

<section>
  <article>
    <h2>About Me</h2>
    <p>Hi, I'm John Doe. I enjoy creating simple web
pages.</p>
  </article>

  <article>
    <h2>My Interests</h2>
    <p>I am interested in web development, programming,
and technology.</p>
  </article>
</section>

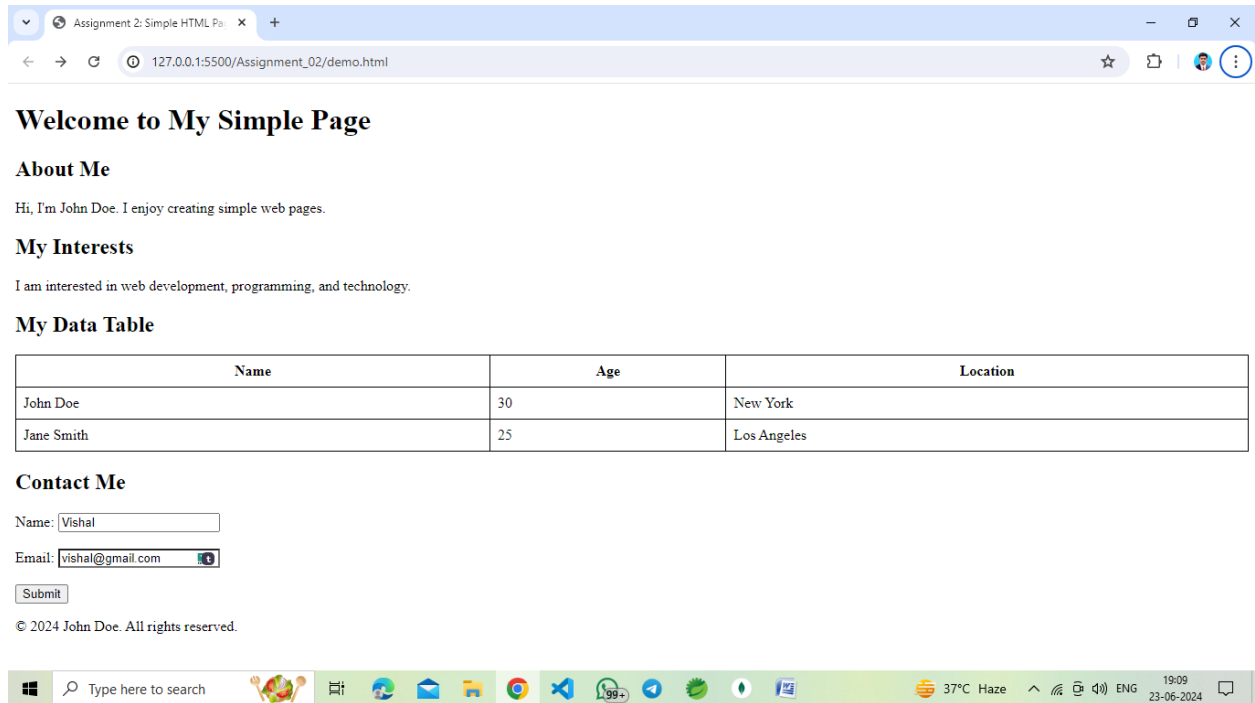
<section>
  <h2>My Data Table</h2>
  <table>
    <thead>
      <tr>
        <th>Name</th>
        <th>Age</th>
        <th>Location</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>John Doe</td>
        <td>30</td>
        <td>New York</td>
      </tr>
      <tr>
        <td>Jane Smith</td>
        <td>25</td>
        <td>Los Angeles</td>
```

```
        </tr>
    </tbody>
</table>
</section>

<section>
    <h2>Contact Me</h2>
    <form action="#" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name"
required><br><br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email"
required><br><br>

        <input type="submit" value="Submit">
    </form>
</section>
<footer>
    <p>&copy; 2024 John Doe. All rights reserved.</p>
</footer>
</body>
</html>
```



Assignment 3: Apply the CSS box model to ensure that your page content has appropriate margins and padding. Create a layout using div tags and style them to arrange content in a multi-column format using floats or flexbox.

## HTML File:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Multi-column Layout</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
```

```

        <div class="column">
            <h2>Column 1</h2>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nulla convallis libero vitae metus aliquet, ac luctus arcu
volutpat.</p>
        </div>
        <div class="column">
            <h2>Column 2</h2>
            <p>Integer eleifend arcu id tellus lacinia, vel
lobortis metus interdum. Vivamus lacinia efficitur nulla, sed
gravida lacus fermentum nec.</p>
        </div>
        <div class="column">
            <h2>Column 3</h2>
            <p>Phasellus sed est nec diam aliquet elementum.
Aenean id nulla eget leo pulvinar laoreet a ac nunc.</p>
        </div>
    </div>
</body>
</html>

```

## CSS Files:

```

/* Reset default margin and padding */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

/* Style the container */
.container {
    display: flex;
    justify-content: space-between; /* Adjust alignment as needed
*/
    padding: 20px; /* Padding around the container */

```



```
}
```

```
/* Style each column */
```

```
.column {
```

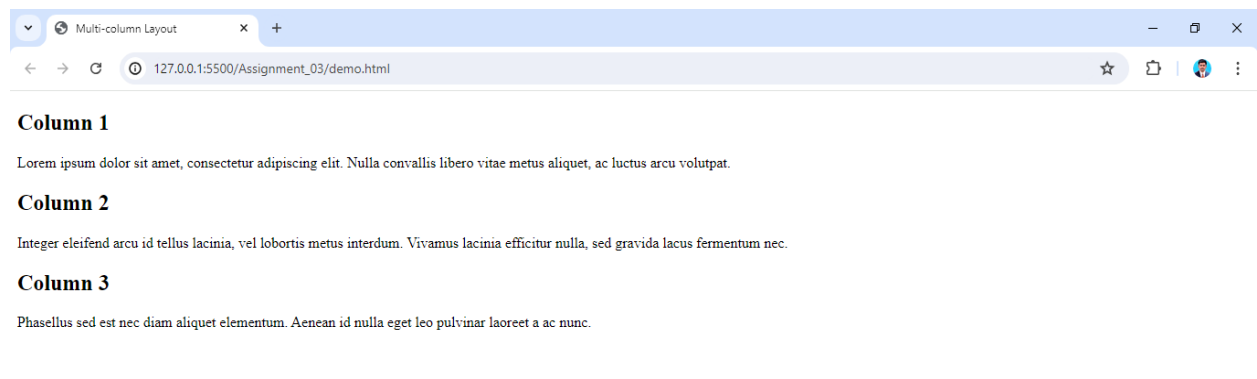
```
    flex: 1; /* Each column takes equal space */
```

```
    background-color: #f0f0f0;
```

```
    padding: 15px; /* Padding inside each column */
```

```
    margin: 0 10px; /* Margin between columns */
```

```
}
```



Assignment 4: Enhance the page by adding CSS3 animations to the menu and form elements. Also, use media queries to make the page responsive, ensuring it looks good on both desktop and mobile screen sizes.

## HTML File:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
    <title>Responsive Layout with CSS3 Animations</title>
```

```
    <link rel="stylesheet" href="styles.css">
```

```
</head>
```

```
<body>
```

```
<header>
  <nav class="menu">
    <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>
</header>

<div class="container">
  <div class="column">
    <h2>Column 1</h2>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nulla convallis libero vitae metus aliquet, ac luctus arcu
volutpat.</p>
  </div>
  <div class="column">
    <h2>Column 2</h2>
    <p>Integer eleifend arcu id tellus lacinia, vel
lobortis metus interdum. Vivamus lacinia efficitur nulla, sed
gravida lacus fermentum nec.</p>
  </div>
  <div class="column">
    <h2>Column 3</h2>
    <p>Phasellus sed est nec diam aliquet elementum.
Aenean id nulla eget leo pulvinar laoreet a ac nunc.</p>
  </div>
</div>

<section class="contact">
  <h2>Contact Us</h2>
  <form>
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required>
```

```
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>

        <label for="message">Message:</label>
        <textarea id="message" name="message" rows="4"
required></textarea>

        <button type="submit">Submit</button>
    </form>
</section>
</body>
</html>
```

## **CSS File:**

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

/* Body styles */
body {
    font-family: Arial, sans-serif;
    line-height: 1.6;
    background-color: #f9f9f9;
}

/* Header styles */
header {
    background-color: #333;
    color: #fff;
    padding: 10px 0;
    text-align: center;
```

```
}

.menu {
  display: inline-block;
}

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

.menu ul li {
  display: inline;
  margin-right: 10px;
}

.menu ul li a {
  color: #fff;
  text-decoration: none;
  padding: 5px 10px;
  transition: background-color 0.3s ease;
}

.menu ul li a:hover {
  background-color: #555;
}

/* Container styles */
.container {
  display: flex;
  justify-content: space-between;
  padding: 20px;
}

.column {
```

```
    flex: 1;
    background-color: #f0f0f0;
    padding: 15px;
    margin: 0 10px;
}

/* Contact form styles */
.contact {
    background-color: #fff;
    padding: 20px;
    margin: 20px;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

.contact h2 {
    margin-bottom: 15px;
}

.contact form {
    display: flex;
    flex-direction: column;
}

.contact label {
    margin-bottom: 10px;
}

.contact input,
.contact textarea {
    padding: 10px;
    margin-bottom: 15px;
    border: 1px solid #ccc;
    border-radius: 3px;
}
```

```
.contact button {
  padding: 10px 20px;
  background-color: #333;
  color: #fff;
  border: none;
  border-radius: 3px;
  cursor: pointer;
  transition: background-color 0.3s ease;
}
```

```
.contact button:hover {
  background-color: #555;
}
```

```
/* Media queries for responsiveness */
@media (max-width: 768px) {
  .container {
    flex-direction: column;
  }
  .column {
    margin-bottom: 20px;
  }
}
```



- [Home](#)
- [About](#)
- [Services](#)
- [Contact](#)

#### Column 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla convallis libero vitae metus aliquet, ac luctus arcu volutpat.

#### Column 2

Integer eleifend arcu id tellus lacinia, vel lobortis metus interdum. Vivamus lacinia efficitur nulla, sed gravida lacus fermentum nec.

#### Column 3

Phasellus sed est nec diam aliquet elementum. Aenean id nulla eget leo pulvinar laoreet a ac nunc.

#### Contact Us

Name:  Email:  Message:

Assignment 5: Take the static HTML page from Day 1 and integrate Bootstrap. Refactor the navigation bar, table, and form to use Bootstrap components. Ensure the page is responsive using Bootstrap's grid system.

### **HTML File:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Assignment 5: Bootstrap Integration</title>
  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/boots
trap.min.css" rel="stylesheet">
  <!-- Your custom CSS if any -->
  <style>
    /* Additional custom styles can go here */
  </style>
</head>
<body>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container">
      <a class="navbar-brand" href="#">Your Logo</a>
      <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNav" aria-
controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav">
          <li class="nav-item">
```

```

        <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="#">About</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="#">Services</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="#">Contact</a>
    </li>
</ul>
</div>
</div>
</nav>

<div class="container mt-4">
    <div class="row">
        <div class="col-md-4">
            <div class="card">
                <div class="card-body">
                    <h5 class="card-title">Column 1</h5>
                    <p class="card-text">Lorem ipsum dolor
sit amet, consectetur adipiscing elit. Nulla convallis libero
vitae metus aliquet, ac luctus arcu volutpat.</p>
                </div>
            </div>
        </div>
        <div class="col-md-4">
            <div class="card">
                <div class="card-body">
                    <h5 class="card-title">Column 2</h5>
                    <p class="card-text">Integer eleifend
arcu id tellus lacinia, vel lobortis metus interdum. Vivamus
lacinia efficitur nulla, sed gravida lacus fermentum nec.</p>
                </div>
            </div>
        </div>
    </div>
</div>

```



```

        </div>
    </div>
    <div class="col-md-4">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Column 3</h5>
                <p class="card-text">Phasellus sed est
nec diam aliquet elementum. Aenean id nulla eget leo pulvinar
laoreet a ac nunc.</p>
            </div>
        </div>
    </div>
</div>

<div class="container mt-4">
    <h2>Contact Us</h2>
    <form>
        <div class="mb-3">
            <label for="name" class="form-
label">Name:</label>
            <input type="text" class="form-control" id="name"
name="name" required>
        </div>
        <div class="mb-3">
            <label for="email" class="form-
label">Email:</label>
            <input type="email" class="form-control"
id="email" name="email" required>
        </div>
        <div class="mb-3">
            <label for="message" class="form-
label">Message:</label>
            <textarea class="form-control" id="message"
name="message" rows="4" required></textarea>
        </div>
    </form>
</div>

```

```
        <button type="submit" class="btn btn-
primary">Submit</button>
    </form>
</div>
```

```
<div class="container mt-4">
    <h2>Users</h2>
    <table class="table">
        <thead>
            <tr>
                <th scope="col">ID</th>
                <th scope="col">Name</th>
                <th scope="col">Email</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>1</td>
                <td>John Doe</td>
                <td>john@example.com</td>
            </tr>
            <tr>
                <td>2</td>
                <td>Jane Smith</td>
                <td>jane@example.com</td>
            </tr>
        </tbody>
    </table>
</div>
```

```
<!-- Bootstrap JS Bundle (Popper.js included) -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstr
ap.bundle.min.js"></script>
</body>
</html>
```

Column 1

>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla convallis libero vitae metus aliquet, ac luctus arcu volutpat.

Column 2

Integer eleifend arcu id tellus lacinia, vel lobortis metus interdum. Vivamus lacinia efficitur nulla, sed gravida lacus fermentum nec.

Column 3

Phasellus sed est nec diam aliquet elementum. Aenean id nulla eget leo pulvinar laoreet a ac nunc.

Contact Us

Name:

Vishal Manohar Kale

Email:

kalevishalm97@gmail.com

Message:

hello wipor

Submit

Users

ID	Name	Email
1	John Doe	john@example.com
2	Jane Smith	jane@example.com