**Experiment 4: Responsive Design with Media Queries**

1. Add a CSS media query and appropriate styles so that the webpage looks similar even when resized to smaller widths. Specifically:
2. The sidebar should be hidden.
3. The body should have no padding.
4. The images shouldn't exceed the width of the window.
5. The navigation items should each be on their own line.
6. The header should be fixed, so that it stays at the top after scrolling.

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Restaurant Website</title>

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

</head>

<body>

    <header class="header">

        <h1>The Xar</h1>

        <nav class="nav">

            <ul>

                <li><a href="#">Home</a></li>

                <li><a href="#">Menu</a></li>

                <li><a href="#">About</a></li>

                <li><a href="#">Contact</a></li>

            </ul>

        </nav>

    </header>

    <div class="content">

        <section class="main">

                       <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQah18ANappGuwEqzQTeS4gVDOD1Kj7QrmVmA&usqp=CAU" alt="Restaurant" class="restaurant-image">

            <h2>Welcome to The Xar</h2>

            <p>

Xar Restaurant tantalizes taste buds with an eclectic fusion of Mughlai, South Indian, and Turkish cuisines. Immerse yourself in a culinary journey that blends rich spices, diverse flavors, and traditional recipes for an unforgettable dining experience.</p>

            <div class="gallery">

                <img src=".jpeg" alt="Image 3" class="gallery-image">

                <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcR3mHo4xS0grMZHqaqeXP-pWQ3X5Zy0SWEE1Q&usqp=CAU" alt="Image 4" class="gallery-image">

                <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTbV\_3Dp2f0p741geMZUuTqn1\_-rHF\_rxakGQ&usqp=CAU" alt="Image 5" class="gallery-image">

                <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTSpEpdN0u6b-yDOQKDQKSXOA4hqvqNNlAaTw&usqp=CAU" alt="Image 6" class="gallery-image">

            </div>

        </section>

    </div>

</body>

</html>

**Style.css**

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 20px;

}

.header {

    background-color: #f8f9fa;

    padding: 10px 20px;

    text-align: center;

}

.header h1 {

    margin: 0;

}

.nav ul {

    list-style-type: none;

    margin: 0;

    padding: 0;

}

.nav ul li {

    display: inline;

    margin-right: 10px;

}

.nav ul li a {

    color: #343a40;

    text-decoration: none;

}

.content {

    padding-top: 80px;

}

.main {

    text-align: center;

}

.restaurant-image {

    max-width: 100%;

}

.gallery {

    display: flex;

    flex-wrap: wrap;

    justify-content: center;

    margin-top: 20px;

}

.gallery-image {

    max-width: 100%;

    margin: 10px;

}

@media screen and (max-width: 600px) {

    .nav ul {

        text-align: center;

    }

    .nav ul li {

        display: block;

        margin-bottom: 10px;

    }

    .content {

        padding-top: 120px;

    }

    .header {

        padding: 10px 0;

    }

}



