<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Interactive Recipe Book</title>

</head>

<style>

    /\* General styles \*/

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background-color: #108d93;

}

header {

    background-color: #39e0ec;

    padding: 20px;

    text-align: center;

    color: white;

}

header h1 {

    margin: 0;

}

#search-bar {

    padding: 10px;

    width: 80%;

    max-width: 400px;

    margin-top: 10px;

    border: none;

    border-radius: 5px;

    font-size: 16px;

}

#ingredient-filter {

    padding: 20px;

    text-align: center;

}

#ingredient-filter label {

    margin-right: 20px;

    font-size: 18px;

}

#type-of {

    padding: 20px;

    text-align: center;

}

#type-of label {

    margin-right: 20px;

    font-size: 18px;

}

#recipe-list {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));

    gap: 20px;

    padding: 20px;

    max-width: 1200px;

    margin: 0 auto;

}

.recipe-card {

    background-color: rgb(46, 167, 195);

    padding: 15px;

    border-radius: 10px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

    text-align: center;

    transition: transform 0.3s;

}

.recipe-card:hover {

    transform: translateY(-5px);

}

.recipe-card img {

    width: 100%;

    border-radius: 10px;

}

.recipe-card h3 {

    margin-top: 15px;

    color: #333;

}

.recipe-card p {

    color: #1f0202;

}

</style>

<body>

    <!-- Header -->

    <header>

        <h1>My Recipe Book</h1>

        <input type="text" id="search-bar" placeholder="Search for a recipe..." oninput="filterRecipes()">

    </header>

    <!-- Ingredient Filter -->

    <section id="ingredient-filter">

        <h2>Filter by Ingredient</h2>

        <label><input type="checkbox" value="eggs" onchange="filterByIngredient()"> Eggs</label>

        <label><input type="checkbox" value="flour" onchange="filterByIngredient()"> Flour</label>

        <label><input type="checkbox" value="sugar" onchange="filterByIngredient()"> Sugar</label>

        <label><input type="checkbox" value="bread" onchange="filterByIngredient()"> Bread</label>

        <label><input type="checkbox" value="water" onchange="filterByIngredient()"> Water</label>

    </section>

    <!-- Recipe Cards -->

    <section id="recipe-list">

        <article class="recipe-card" data-ingredients="eggs,flour,sugar,water" data-type="nonveg">

            <img src="pancakes.jpg" alt="Recipe Image">

            <h3>Pancakes</h3>

            <p>Fluffy and delicious pancakes perfect for breakfast.</p>

        </article>

        <article class="recipe-card" data-ingredients="eggs" data-type="nonveg">

            <img src="omelette.jpg" alt="Recipe Image">

            <h3>Omelette</h3>

            <p>A simple omelette packed with protein.</p>

        </article>

        <article class="recipe-card" data-ingredients="flour,sugar,water" data-type="veg,vegan">

            <img src="brownies.jpg" alt="Recipe Image">

            <h3>Brownies</h3>

            <p>Rich and fudgy chocolate brownies.</p>

        </article>

        <article class="recipe-card" data-ingredients="eggs,sugar,bread" data-type="nonveg">

            <img src="french.jpg" alt="Recipe Image">

            <h3>French toast</h3>

            <p>Simple and sweet break-fast</p>

        </article>

        <article class="recipe-card" data-ingredients="flour,sugar,water" data-type="veg,vegan">

            <img src="gulab jamun.jpg" alt="Recipe Image">

            <h3>Gulab jamun</h3>

            <p>sweet and soft dessert</p>

        </article>

        <article class="recipe-card" data-ingredients="eggs,bread">

            <img src="bread omlette.jpg" alt="Recipe Image">

            <h3>Bread Omelette</h3>

            <p>Fuel your day with a classic bread omelette!</p>

        </article>

    <script src="project.js"></script>

</body>

</html>

Javascript:

// Filter Recipes based on Search Input

function filterRecipes() {

    const searchInput = document.getElementById('search-bar').value.toLowerCase();

    const recipeCards = document.querySelectorAll('.recipe-card');

    recipeCards.forEach(card => {

        const title = card.querySelector('h3').textContent.toLowerCase();

        if (title.includes(searchInput)) {

            card.style.display = "block";

        } else {

            card.style.display = "none";

        }

    });

}

// Filter Recipes by Ingredients

function filterByIngredient() {

    const checkboxes = document.querySelectorAll('#ingredient-filter input[type="checkbox"]');

    const recipeCards = document.querySelectorAll('.recipe-card');

    let selectedIngredients = [];

    checkboxes.forEach(checkbox => {

        if (checkbox.checked) {

            selectedIngredients.push(checkbox.value);

        }

    });

    recipeCards.forEach(card => {

        const recipeIngredients = card.getAttribute('data-ingredients').split(',');

        const hasIngredients = selectedIngredients.every(ingredient => recipeIngredients.includes(ingredient));

        if (hasIngredients || selectedIngredients.length === 0) {

            card.style.display = "block";

        } else {

            card.style.display = "none";

        }

    });

}

