

My Recipe Book

1. Introduction

The given HTML, CSS, and JavaScript code represents a Recipe Book Web Application that allows users to browse different categories of recipes, such as meals, drinks, and desserts. Each recipe includes ingredients, preparation steps, and images. The project uses HTML for structure, CSS for styling, and JavaScript for interactivity (if needed in future development).

The primary goal of this application is to provide users with an easy-to-navigate interface to view and manage their favorite recipes. The design follows a structured format with a homepage, category pages (meals, drinks, desserts), and individual recipe pages.

2. Languages Used

1. HTML (HyperText Markup Language)

HTML is used to create the structure of the web pages. It defines elements such as headings, paragraphs, images, lists, links, and buttons. In this project, multiple HTML files are used to organize different recipe categories and pages.

2. CSS (Cascading Style Sheets)

CSS is used to style the website and enhance the user experience. It controls the layout, colors, fonts, and responsive behavior of the pages. This project uses external CSS (style.css) to maintain consistency across different pages.

3. JavaScript (Planned but Not Implemented Yet)

Although the provided code does not contain JavaScript, it can be used to add interactivity, such as dynamically displaying ingredients, filtering recipes, or adding animations.

3. Coding with Explanation

3.1 Homepage (index.html)

The homepage (index.html) serves as the entry point of the application. It contains links to different recipe categories (meals, drinks, and desserts).

Key Features:

Displays a logo.

Provides navigation options to different recipe categories.

Code Breakdown:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>My Recipe Book</title>
```

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

```
</head>

<body class="body-home">

  <div id="home">

    <div class="home-menu">

      <a href="meals.html" class="home-menu-item"><p>Meals</p></a>

      <a href="drinks.html" class="home-menu-item"><p>Drinks</p></a>

      <a href="dessert.html" class="home-menu-item"><p>Dessert</p></a>

    </div>

  </div>

</body>

</html>
```

Explanation:

The <head> section contains metadata and links to the CSS file.

The <body> contains a div (#home) that holds the logo and menu options.

Three <a> tags allow navigation to different category

3.2 Meals Page (meals.html)

This page lists different meal options. Users can select a meal to view its detailed recipe.

Code Breakdown:

```
<!DOCTYPE html>

<html>

<head>

  <title>My Recipe Book | Meals</title>

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

</head>

<body class="body-meals">

  <div id="meals">

    <div class="header">

      <a href="index.html"><i class="fa fa-arrow-left"></i></a>

    </div>

    <div class="meals-list">

      <a href="GrilledCheese.html" class="meals-list-item">

        <h1>Grilled Cheese Sandwich <i class="fas fa-chevron-right"></i></h1>

        <p>Extra cheesy grilled cheese sandwich</p>

      </a>

    </div>

  </div>

</body>

</html>
```

Explanation:

The header contains a back button (`<i class="fa fa-arrow-left"></i>`).

The meals list (`.meals-list-item`) allows users to select a specific meal (Grilled Cheese Sandwich).

3.3 Grilled Cheese Recipe Page (GrilledCheese.html)

This page displays the ingredients and steps for preparing a Grilled Cheese Sandwich.

Code Breakdown:

```
<!DOCTYPE html>

<html>

<head>

  <title>My Recipe Book | Meals | Grilled Cheese</title>

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

</head>

<body class="body-recipes">

  <div id="recipe">

    <div class="header">

      <a href="meals.html"><i class="fas fa-arrow-circle-left"></i></a>

    </div>

    <div class="recipe-details">

      
```

```
<h1>Grilled Cheese Sandwich</h1>

</div>

<div class="recipe-details-ingredients">

  <h2>Ingredients</h2>

  <input type="checkbox" id="check-01"><label for="check-01">1/4 cup butter</label>

  <input type="checkbox" id="check-02"><label for="check-02">1 tablespoon Parmesan
cheese</label>

  <input type="checkbox" id="check-03"><label for="check-03">8 slices of bread</label>

</div>

<div class="recipe-details-steps">

  <h2>Steps</h2>

  <ol>

    <li>Mix butter and Parmesan cheese.</li>

    <li>Spread butter mixture on bread, add cheese, and grill.</li>

  </ol>

</div>

</div>

</body>

</html>
```

Explanation:

Checkboxes allow users to mark ingredients as used.

Ordered list () represents step-by-step instructions.

3.4 CSS Styling (style.css)

CSS is used to style the pages and improve layout consistency.

Example Code:

```
.body-home {  
    background-image: url(images/image5.PNG);  
    background-size: cover;  
}
```

```
.header {  
    background-color: #30ac72;  
    width: 100%;  
    height: 60px;  
    position: fixed;  
}
```

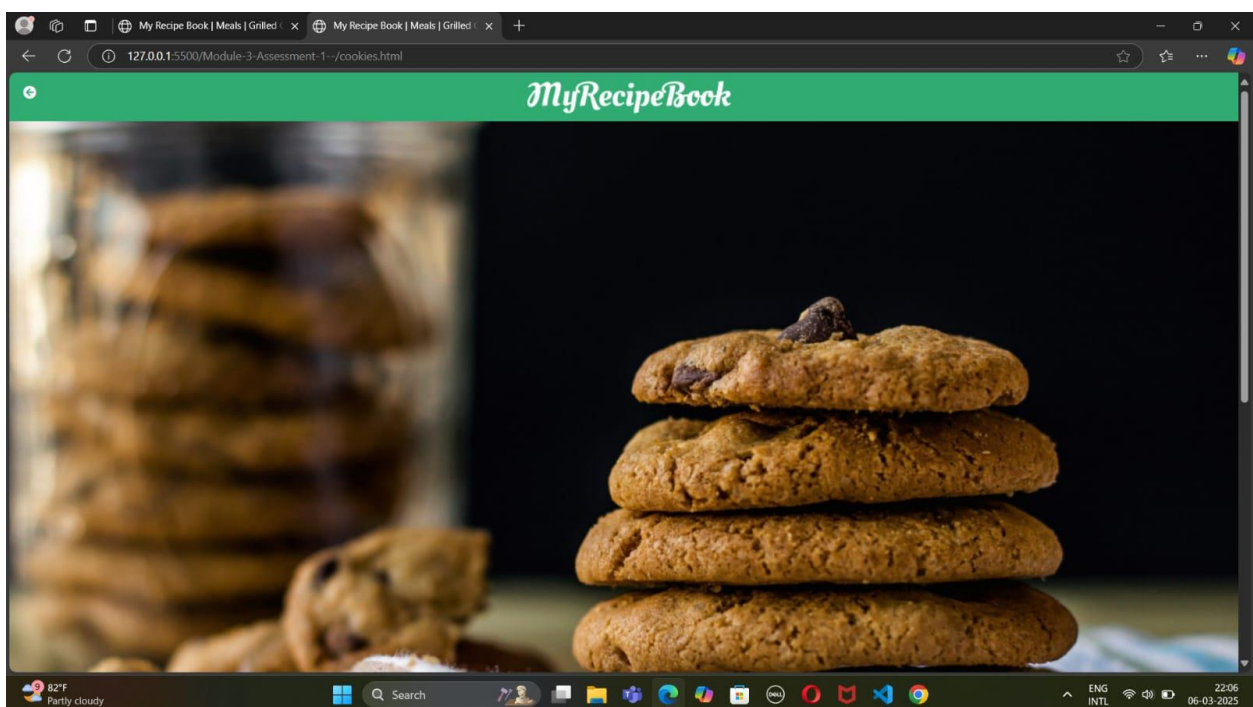
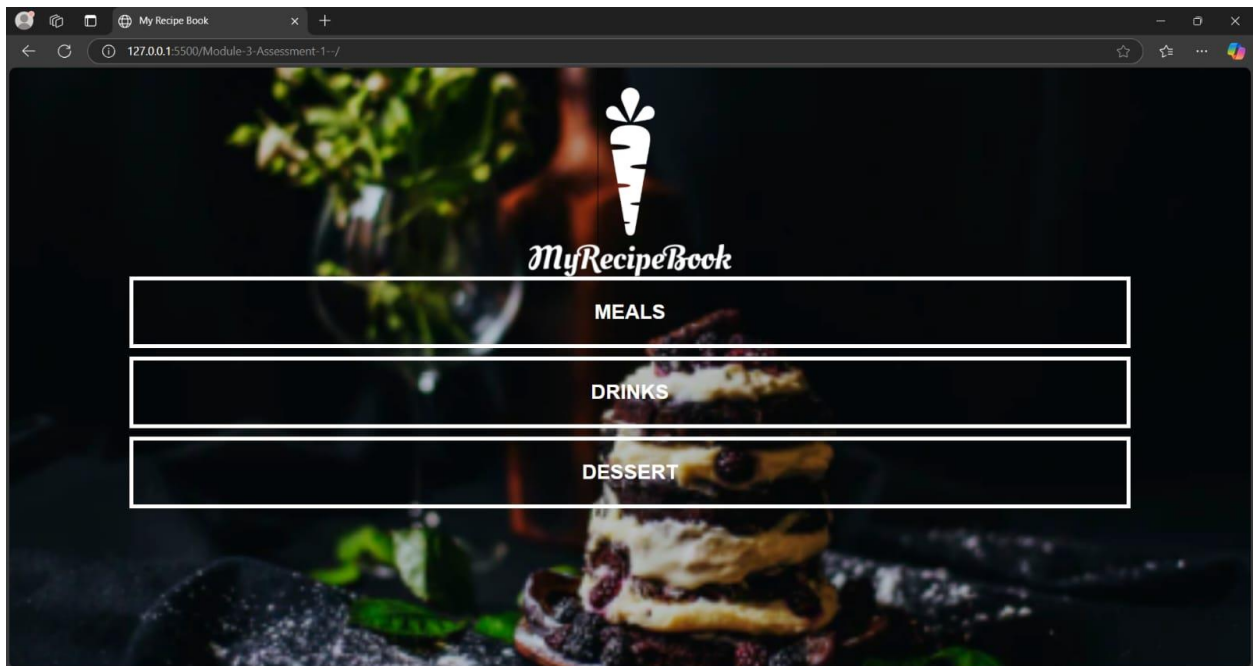
```
.recipe-details img {  
    width: 100%;  
}
```

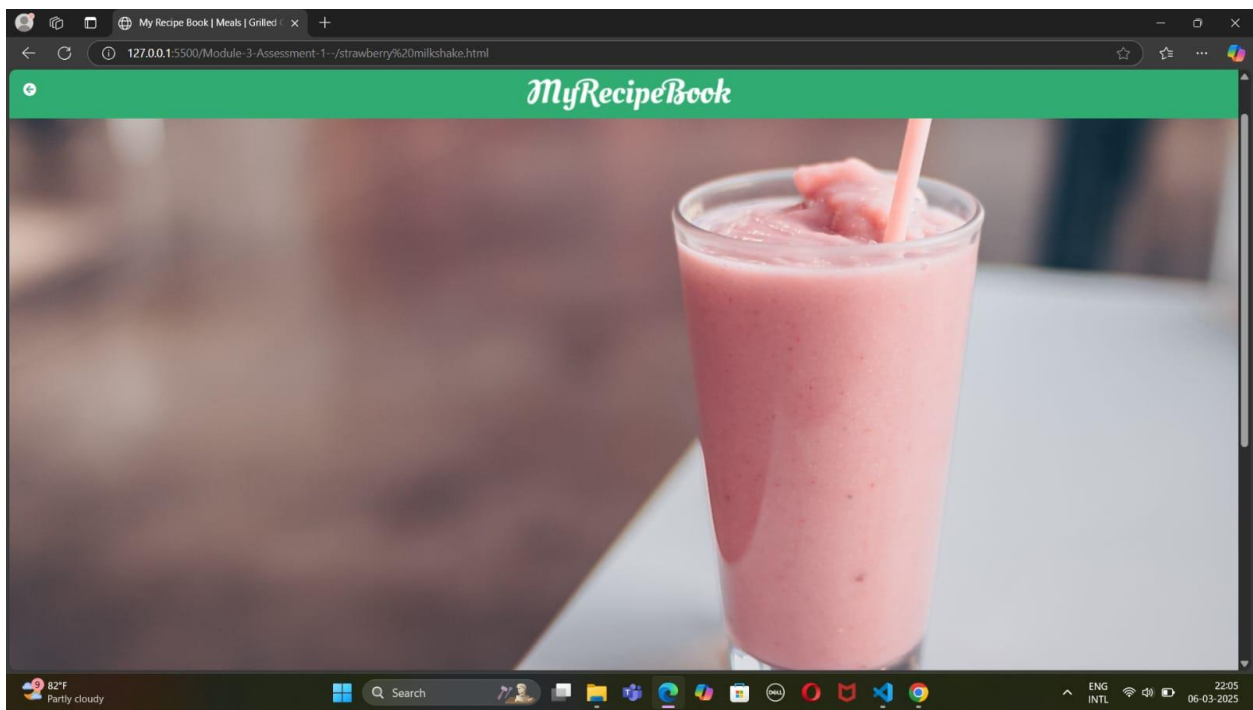
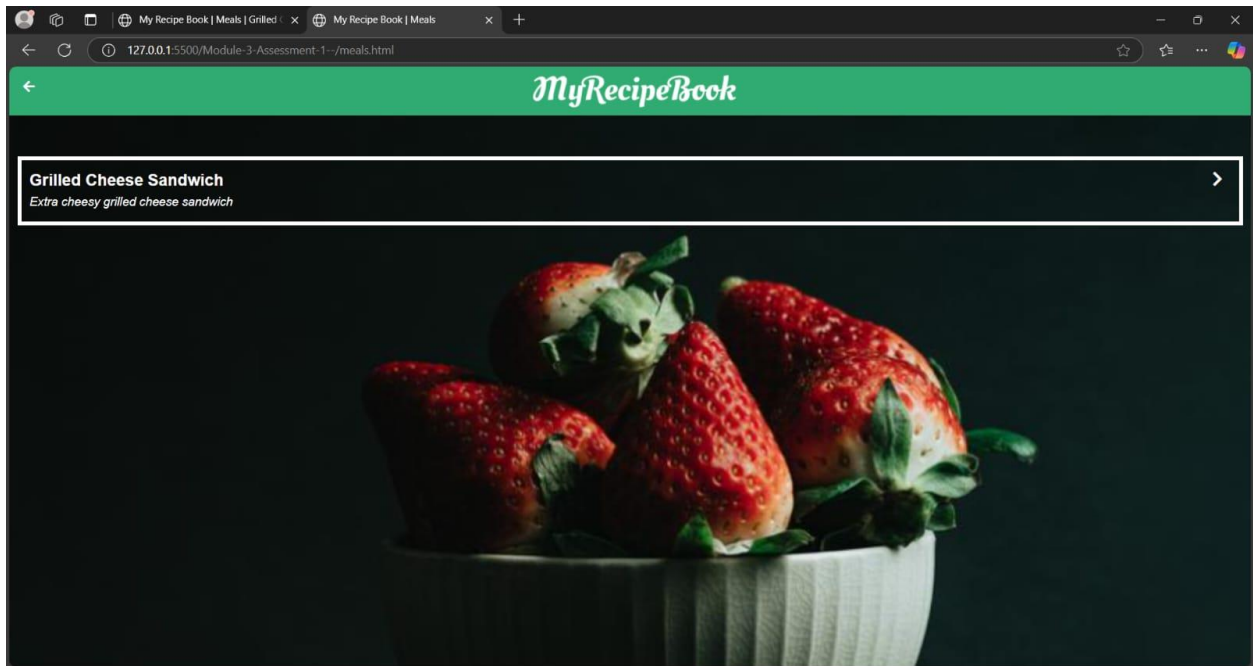
Explanation:

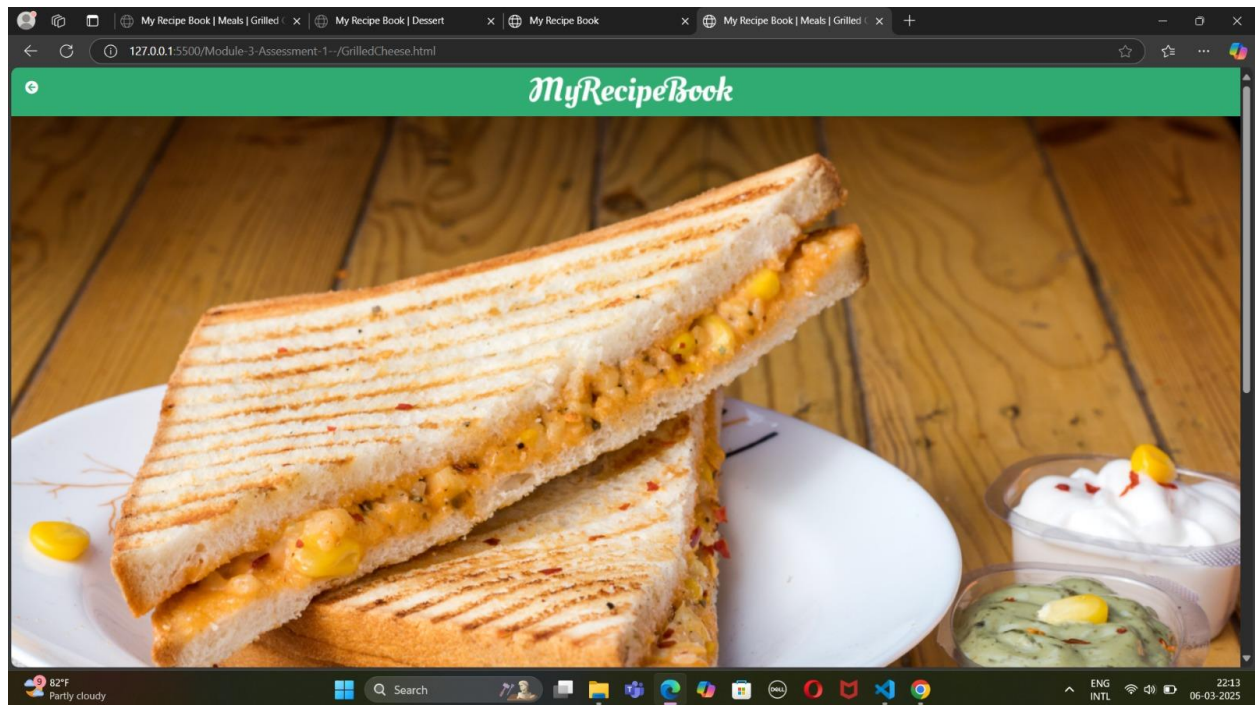
.body-home sets a background image for the homepage..header styles the top navigation bar.

recipe-details img ensures recipe images span the full width.

Out Put :







4. Conclusion

The Recipe Book Web Application is a well-structured project that provides a user-friendly experience for browsing and viewing recipes. The use of HTML, CSS, and JavaScript (for future development) allows for a scalable and responsive design.

Future Improvements:

Add JavaScript for interactive features like search functionality, ingredient selection effects, or a shopping list feature.

Improve responsive design to enhance mobile usability.

Add a database (like Firebase or MySQL) to store recipes dynamically.