

Documentation – Simple Cookbook Program

1. Introduction

The Simple Cookbook Program is a basic web project that allows users to select a recipe and view its ingredients and preparation steps. It is built using HTML for structure, CSS for styling, and JavaScript for interactivity. This project is suitable for beginners who are learning how to combine these three technologies.

2. Objectives

- To demonstrate how HTML, CSS, and JavaScript work together in a small project.
- To create a simple, interactive cookbook application.
- To help beginners understand DOM manipulation using JavaScript.

3. Technologies Used

- HTML (HyperText Markup Language): Provides the structure of the page.
- CSS (Cascading Style Sheets): Adds styling and improves appearance.
- JavaScript: Adds interactivity, making recipes appear when clicked.

4. Features

1. Recipe List – Displays available recipes (Pasta, Pancakes, Salad, Idli).
2. Click to View Details – When a recipe is clicked, its ingredients and steps are shown.
3. Dynamic Content – JavaScript dynamically updates recipe details.
4. Simple and Clean UI – Easy to use and understand.

5. Program Flow

1. The user opens the webpage.
2. A list of recipes is displayed.
3. The user clicks on a recipe (e.g., Pasta).
4. JavaScript function `showRecipe()` runs and updates the recipe details section.
5. The details (ingredients and steps) appear below the recipe list.

6. Code Explanation

HTML (Structure):

- `<div class="recipe">` elements are clickable recipe buttons.

- `<div id="recipe-details">` is where the selected recipe details will be shown.

CSS (Design):

- Styles the background, recipe boxes, and detail section.
- Adds hover effects for better UI experience.

JavaScript (Logic):

- Function `showRecipe(recipe)` checks which recipe was clicked.
- It updates the inner HTML of `#recipe-details` with the correct ingredients and steps.
- The details section is initially hidden (`display: none`) and shown only when a recipe is selected.

7. Output (What User Sees)

- A title: My Simple Cookbook
- Recipe options: Pasta, Pancakes, Salad
- Clicking one displays details like:
 - Ingredients (list items)
 - Steps (numbered instructions)

8. Advantages

- ☑ Easy for beginners to understand.
- ☑ Demonstrates interaction between HTML, CSS, and JavaScript.
- ☑ Can be extended with more recipes or images.

9. Possible Enhancements

- Add recipe images for better presentation.
- Use JavaScript arrays/objects instead of multiple if statements.
- Allow users to search recipes.
- Store recipes in local storage or a simple database.

10. Conclusion

This Simple Cookbook Program is a small yet effective project for beginners. It provides hands-on experience in building a web page with HTML structure, CSS styling, and JavaScript interactivity. The project can be further enhanced to make a full cookbook application.