

# Meal Planner & Grocery List Generator

The Meal Planner & Grocery List Generator is a simple, beginner-friendly website that helps users track meals and automatically generate grocery lists. It uses JavaScript, the DOM, and functions to provide an interactive and functional experience.

## Features

- Meal Search and Add: Users can search for meals by name, view ingredients, and add meals to their meal plan.
- Meal Plan Tracking: Displays added meals along with their calorie counts, with the ability to remove meals.
- Automatic Grocery List Generation: Automatically compiles a grocery list of ingredients from the selected meals.
- Interactive Grocery List: Users can click to check off items as they shop.
- Dynamic Greeting: Displays a morning, afternoon, or evening greeting based on the current time.
- Clean, Functional Design: CSS is used to provide a clean and visually engaging interface while maintaining simplicity.

## Functionality and Implementation Details

- Recipes Array: Stores recipes with their names, ingredients, and calorie counts for easy access.
- DOM Manipulation: JavaScript dynamically generates and updates meal cards, meal plans, and grocery lists using the DOM.
- Event Listeners: Buttons are wired with event listeners to handle adding and removing meals and checking off grocery list items.
- Search Functionality: Filters recipes based on user input to make finding meals easier.

## Reusable Functions:

- welcomeMessage() updates the greeting based on time.
- navigateTo(pageId) controls which page is visible.
- showRecipes() filters and displays recipe cards with add buttons.
- addMeal(recipe) adds a selected recipe to the meal plan and updates the grocery list.
- Plan() displays the current meal plan with remove options.
- makeGroceryList() builds a list of ingredients from the meal plan.
- showGroceries() displays the grocery list with clickable items for checking off.

## A Note

While I am new to JavaScript, this project demonstrates an understanding of HTML, CSS, and DOM manipulation in a clean, functional application that can be expanded and improved as I continue to learn.