Project Part 1: Recipe & Meal Planner

Website Name

Meals on Mesa: Recipe & Meal Planner

Topic Description (5+ sentences):

Meals on Mesa is a website that will help users save recipes, plan meals for the week, and will automatically build a shopping list from their meal plan. The main goal is to make meal planning faster and less stressful by keeping everything in one place, including ingredients, cooking steps, nutritional notes, and even grocery hauls. Users will be able to browse recipes, search by category, and filter by dietary preferences such as low-carb & high-protein or even niche dietary preferences such as less bloating meals or anti-inflammatory. The site also supports features like adjusting servings and recalculating ingredient amounts when creating the shopping list. It will even have a feature showing you what you need to buy when you go grocery shopping. By combining planning and organization, Meals on Mesa helps users eat more consistently and waste less food.

Page Names (5+ unique pages):

• Home
• Recipe Library
• Recipe Details (individual recipe page template)
• Weekly Meal Planner
• Shopping List
• Account / Profile

Data Storage, Manipulation, and Viewing (server-side)

The site will store a persistent recipe database and user-specific meal plans. For recipes, each record will include: recipe name, description, category, prep time, cook time, servings, ingredients, step-by-step instructions, tags, and an image URL. Users will be able to create an account, save recipes to favorites, and add recipes to specific days/meals in a weekly plan. The shopping list will be generated from the meal plan by combining duplicate ingredients and adding quantities; users can check items off and remove items they already have. Only an administrator account will be allowed to add/edit/delete recipes in the main library, which requires user accounts and login security.