

Problem Statement: Recipe Portal with Dynamic Grocery Checklist and Recipe Management

Design and build a web application that enables users to search, add, and manage recipes (see the CSV file attached for examples) while dynamically generating grocery checklists.

The tasks are as follows:

- **Authentication:** Implement Google Login to allow users to securely access the application.
- **Recipe Search:**
 - Enable users to search for recipes by name, showing up to 5 suggestions based on a partial match.
 - After searching, users can select a recipe from the displayed options, which will show a detailed view card containing the grocery list information.
 - The user should have an option to pick up to 4 different dishes, for which they can view grocery lists in one checklist with different ingredients consolidated. (For example, if a user chooses Dal Palak, Aloo Gobi, Palak Paneer as 3 recipes, then the checklist should add up the quantity of Palak needed and show it as one entry)
- **Adding New Recipes:** For recipes not found in the database, users can add new recipes by entering the recipe name.
 - The ingredient list for the new recipe should be dynamically generated using an LLM API (e.g., ChatGPT or Gemini) and shown to the user.
 - Once generated, the recipe should be stored in the database.
 - Note about grocery checklist: Note the way the grocery list CSV file shows quantities for ingredients. For ingredients such as spices like turmeric, the user doesn't need to know exact quantities,
 - Note about quantities shown: For the lists, the quantity of ingredients required for each recipe is 8 servings.
- **Data Management:**
 - Import a provided CSV file containing approximately 200 recipes to seed the MongoDB database. Structure the data to support efficient search, retrieval, and updates.

Tech Stack Requirements:

Frontend: React with Tailwind CSS or Framework of your choice.

Backend: Node.js with Express.

Database: MongoDB.

Deliver the application within 2-3 days, ensuring high functionality, clean code, and an intuitive user experience.