

Recipe Book Project Proposal

Group members:

Aditi Kanaujia, Suha Memon, Vishnu Kommuri

Overview

The project that we as a group wanted to implement is a recipe book, designed to help users manage and organize their favorite recipes. The application will allow users to add new recipes, browse through their collection, search for specific recipes, edit recipes, favorite recipes, export them to a .txt file, and delete recipes they no longer need. The application will have a user-friendly Java GUI and will store recipes in a text file for easy retrieval and management.

Key Features

The key features/use cases that we are thinking about implementing in this project are: adding a new recipe, viewing a recipe, editing a recipe, and searching recipes.

Going more in depth:

- Adding a new recipe: Users can add a new recipe by entering the recipe name, recipe type, ingredients, and instructions. The recipe is saved to a new text file.
- Browsing recipes: Users can view all the recipes they have added. The application displays a list of recipe names that the user can browse through and then click on to open the recipe
- Searching recipe: Users can search for a recipe by entering a recipe name. The application searches the text file for recipes that match the recipe name and displays the results.
- Filter recipes: Users can optionally filter their recipes by type (breakfast, lunch, dinner, snack) and favorite status (show favorites) while browsing through their recipes.
- Edit recipe: Users can edit a recipe from their collection after searching for it.

- Delete Recipe: Users can delete a recipe from their collection. The selected recipe is removed from the text file.
- Mark recipe as favorite: The user will be able to mark their recipes as favorites and view their favorite recipes.
- Export recipe to text file: The user will be able to export their recipe to a text file that will be stored on their machine.