



# My Cook Book

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GitHub Repository:

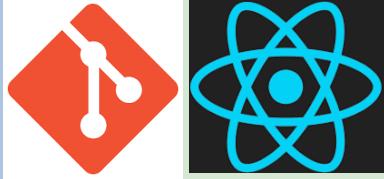
[https://github.com/Software-Engineering-Spring-2025/my\\_cookbook](https://github.com/Software-Engineering-Spring-2025/my_cookbook)



Demo Link:

<https://drive.google.com/file/d/122zMzuhALnOrEYqjL2VeKSrRU2KILKyw/view?usp=sharing>

## Technology Stack



React Native

React

TypeScript

Python

HTML5

mongoDB



## About

Streamlining the cooking process one recipe at a time, My Cook Book is designed by software engineering chefs to make other chefs' lives easier, offering personalized recommendations, healthy recipes, and a customizable platform.

Yes, chef. Thank you, chef.

**ENHANCED BY  
100+ TEST CASES,  
WITH 95% CODE  
COVERAGE!**

## Existing Features

- Share your own recipes: users can save their recipes, streamlining the cooking process. Users can then favorite the recipes for convenient access improving sorting abilities.
  - Create a shopping list based on your recipes for the week, using the existing recipes and additional ingredients.
  - Filter recipes based on ingredients, as well as nutrition requirements (such as fat, sugar, calorie, and protein levels).
  - Customizable user interface with several color scheme options

## Implementation Updates

- Enhanced the weekly meal plan with printing functionality so users can now type and save recipes in that tab
- Enables drag and drop functionality for meal plan, saving the user time and effort as he or she prepares for the upcoming week
- Added an interactive ChatBot that works on every tab, which has endless possibilities for helping the user. Some insightful prompts include 'write me a recipe for a tangy chicken dish,' 'how healthy is a grilled cheese,' and 'what should I eat for breakfast.'
- Created a Notes section within each recipe, so users can add their thoughts and customizations. Each note is unique to each user.
- Developed the functionality to batch add ingredients from each recipe via the 'Add to Shopping List' button, saving the users time and effort

## Future Improvements

- Enhance the login system to be more secure; for example, users can currently change other users' credentials.
- Restrict the Recipe Library in the drag and drop options to be the user's favorited recipes.
- Edit the Meal Plan tab to be more customizable, such as having the option to include the different meals and snacks throughout the day, having options for the font size and colors, and updating the days of the week to reflect the actual date.