

1. Chosen Scenario

The scenario that I have chosen is the Recipe Tracking App. The problem that is being tackled is that Peter struggles to keep track of his culinary creations, and feels that it would be nice if there was an app that was able to input and modify recipes, keep track of his cooking recipes, allow him to share it with other users and also able to filter based on dietary preference.

This scenario is meaningful to me because I recently have just started learning how to cook myself and tend to struggle to look for recipes that suits me taste-wise. I also sometimes feel that the recipes I find online are just not consistent and sometimes misleading. The target audience would range from people who are learning and getting started on how to cook to people who just have a passion for food and wants to recreate their favorite dishes at home.

2. Related Apps

App 1: Samsung Food

Platforms	IOS: https://apps.apple.com/sg/app/samsung-food-meal-planning/id1133637674 Android: https://play.google.com/store/apps/details?id=com.foodient.whisk&pcampaignid=web_share
Strengths	<ul style="list-style-type: none">- Has meal planning and grocery list integration- Supports dietary preferences- Interface is user-friendly- Able to import recipes from Instagram and tiktok- Able to schedule recipes
Weaknesses	<ul style="list-style-type: none">- If the external source is not coded specifically for recipes, it can only show the link to the original source- No way of communicating with other users of the app
How it will be different as compared to this app	<ul style="list-style-type: none">- Will allow users to share cooking tips or handmade recipes through a community section- Includes a review and rating system

App 2: RecipeKeeper

Platforms	Android – https://play.google.com/store/apps/details?id=com.tudorspan.recipekeeper&pcampaignid=web_share IOS – https://apps.apple.com/sg/app/recipe-keeper/id1315583175?mt=12
Strength	<ul style="list-style-type: none">- Able to scan from cookbooks and handwritten recipes- Able to share recipes to email- Features a way to mark recipes as favorites
Weaknesses	<ul style="list-style-type: none">- Has no dietary preferences- Limited free uses
How it will be different as compared to this app	<ul style="list-style-type: none">- Will contain a way to set dietary preferences

3. Initial Feature List

User features:

- User can add their own handmade recipes, while being able to attach a picture for reference
- Login page

Core features:

- Access a community page to discuss recipes with fellow users
- Have dietary preferences as a setting
- Calendar page to encourage recipe planning
- Recipe sharing

UI Elements

- Bottom navigation bar
- Dropdown details of the recipe when you click on the image of the food

4. Learning Goals and Resources

Concept/tools	Learning goals	Resources
User login page	Authenticator	Authenticator
Recipe input form and image selection	text field & image picker	Text Field Photo picker
Grid layout for selection of recipes and list for community page	List and grid	List and grids
Dietary preference setting	Datastore	Datastore
Calendar UI and functionality	Calendar UI, date selection, room with relationships	CalendarView Date selection Room with relationships
Navigation bar	Navigation	Navigation
A dropdown card about the food in the image's recipe	Card	Card – jetpack compose
Have a database to save the recipes	Database with room	Save data in a local database using room
Recipe sharing	Android sharesheet	Android sharesheet