

Feastly



Objectives:

Overview: We propose the development of a Recipe-Social Media App designed to enhance the culinary experience by combining recipe management, social interaction, and artificial intelligence. This app will enable users to save recipes (in Microsoft Word format), explore new ones, receive AI-based recommendations, and engage with artistic culinary suggestions. Additionally, it will offer a public feed for friends to share and comment on recipes. The application will be accessible on both mobile and desktop platforms, potentially leveraging Kotlin for cross-platform development.

Problem Statement: Many recipe apps lack a unified platform to combine recipe management with social media elements. Existing tools either focus solely on recipes or social networking, missing the opportunity to bring these together for food enthusiasts. This is why and how many apps fail or aren't able to meet food enthusiasts' needs.

Goals:

- The goal is to provide a seamless platform for saving, sharing, and exploring recipes.
- To enhance the culinary experience with AI-powered suggestions.
- To foster a community of food enthusiasts through interactive features.

Importance:

- Encourages creativity and exploration in cooking and art.
- Simplifies recipe management with multimedia support
- Builds a vibrant community around food culture.

Description:

This project will encompass full-stack web development, app development, network integration, AI implementation, and API integration. The development process will transition from a waterfall model to an agile approach post-prototype.

Technical Overview:

Software Engineering Process:

1. Initial development follows a **waterfall model**, allowing for detailed planning and sequential execution.
2. Post-working prototype, transition to an agile methodology for iterative improvement and feature expansion.

Development Tools and Technologies:

Front-end, Back-end, Database, Mobile Development (Kotlin), AI-integration, and API-Integration.

Features for Editing Recipes:

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Support for multimedia (text, images, and videos)

User Interface:

Pages include Home, Profile, Tips, Discovery, Recipes, Friends, and Equipment / Suggestions



Tasks:

GitHub link: <https://github.com/troybllo/4P02-Recipe-App>

Team Roles:

Scrum Master: Samrat Gautam- 6971915

Product Owner: Roger Li – 6998751,

Members (Front-End): Sahil Modi – 7306590, Troy Bello -7107857, Abdelgelil, Mohamed

Front End:

- Surveys for UX of existing similar services such as Hello Fresh
- Prototyping UI using Figma
- Implementing UI to the final website using ReactJS (and whatever other technology we're using)

Members (Back-End): Ridham Elhance – 7091713, Samrat Gautam- 6971915, Duru, Michael

Meetings: Tuesdays 10 AM to 12 PM reoccurring