

# 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:

Initial development follows an **Agile model**, allowing for detailed planning and sequential execution.

### Development Tools and Technologies:

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

### Features for Editing Recipes:

Support for multimedia (text, images, and videos)

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## User Interface:

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



## Tasks:

**GitHub link:** <https://github.com/troyblllo/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

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

**Meetings:** Tuesdays 10 AM to 12 PM reoccurring