# Release Planning Document

Course: COSC 4P02  
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Group Number: 18

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Project Title: **Feastly (Recipe-App)**

# Table of Contents

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# 1. Introduction

# This document outlines the user stories, backlogs, and release plan for the Feastly project. The goal is to provide a clear roadmap for development while aligning with the project’s objectives to create a seamless and engaging user experience.

# 2. User Stories

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID  1 | Title  Release planning Document | Description  Outlines the development timeline for Feastly, detailing feature prioritization, sprint goals, and incremental release milestones to ensure efficient progress and user-centric updates. | Acceptance Criteria  Complete release planning and review it with team member. | Priority  High |
| 2 | Save a Recipe | As a user, I want to save a recipe from the recipe page, so that I can access it later easily. | Add a "Save" button to the recipe page.  Link the button to the user's account for saving.  Create a database table for saved recipes.  Test saving functionality with different accounts. | Medium |
| 3 | Edit Saved Recipes | As a user, I want to edit saved recipes, so that I can customize them to my preferences. | Add an "Edit" button to saved recipes.  Allow editing of ingredients, instructions, and titles.  Save edited recipes back to the database.  Test editing functionality with various recipe types. | Medium |
| 4 | Share Saved Recipes | As a user, I want to share my saved recipes with other users, so that they can enjoy the recipes too. | Add a "Share" button to saved recipes.  Implement sharing via email or social media.  Include privacy settings for shared recipes.  Test the sharing functionality for different platforms. | Medium |
| 5 | Recipe page to display details | As a user, I want each recipe page to display details clearly, so that I can easily read and follow instructions. | Design the layout for the recipe page (UI/UX design).  Fetch recipe details from the database.  Implement the front-end display (title, ingredients, instructions).  Add responsiveness for mobile and desktop views.  Conduct user testing for readability and clarity. | Medium |
| 6 | Search Using AI Suggestions | As a user, I want to search using AI suggestions, so that I can discover recipes based on vague inputs or preferences. | Integrate an AI-based search algorithm.  Develop an intuitive search bar interface.  Test the AI with vague inputs (e.g., "quick dinner ideas").  Optimize the AI for speed and accuracy. | Medium |
| 7 | Food Discovery Categories | As a student with little time, I want quick and simple recipes which are healthy and nutritious while also not requiring a lot of preparation or skill to cook since I’m a beginner. | Implement categories of discovery for different recipes. In this case, a “Student Favorite” category would help for quick and easy yet healthy foods. | Low |
| 8 | Alternative or Substitute Ingredients | As a user, I want to find good alternative suggestions for ingredients that I don’t have available. | Allow manual suggestions for recipes. Alternatively, have an AI based analysis of a recipe and let it decide for you what ingredients can be substituted or removed. | Medium |
| 9 | Nutrition Facts | As a food enthusiast but someone who wants to take care of their body, I want nutrition information on all recipes even if they are approximate. This is to ensure that I know what I’m consuming | Implementing manual nutrition facts place where original posters of recipes can change it. To ensure it is valid, the AI can look at it to see if it is roughly okay. | Medium |
| 10 | Less fluff, more straight to the point recipe instructions | I’m someone with not a lot of time, I want less “hyping up” a recipe talks and more straight to the point instructions. I hate having to look around the fluff to find out the actual recipe. | AI summary for “short and simple recipe summary” button | Low |
| 11 | Likes and Comments Feature | As a food enthusiast, I want to view the likes and comments to see whether the recipe turned out good for others or if others have better recommendation to add on top of this recipe. | Implement a likes and comments feature per post. | Medium |
| 12 | Offline access and lightweight app. | As a user of a slower device, I want the app to load quickly and work offline to certain extent, at least for my saved recipes so I can access them whenever. | Make sure app is not too “heavy” and has things which can be accessed offline like recipe cards. | Low |
| 13 | Recipe Cards | As a chef, I want a clean and quick way to save my recipes as recipe cards downloaded in formats like word doc, PDF, image formats, etc. | Implement a quick recipe card download feature. | Medium |
| 14 | Discovery | As a student, I sometimes don’t know what to make so I want a discovery feature which tells me what I could make tonight, even if it’s a little out of my skill level. | Implement a “discovery” page which includes new recipes. | Medium |
| 15 | User Interface | As a user, I want clean and intuitive User Interface to ensure that I can navigate the app fast and see less fluff and more functional elements. | Using test-based development, we can ensure that pages are clean and no extra “fluff” or unnecessary junk is in our UI and functionality. Clean and simple is the goal. | High |

# 3. Product Backlog

The product backlog is a prioritized list of tasks derived from user stories. Each task should include:  
- Task

Add detailed explanations to the tasks if it is needed.  
- Associated User Story  
- Priority

Example Table:

|  |  |  |
| --- | --- | --- |
| Task | Associated User Story | Priority |
| Add a Food Card: Having a UI component to showcase a recipe preview.  This may include having a description, tag, etc. | ID: 2 & 13 | Medium |
| Add a Recipe page for the saved user recipes.  This is the full recipe for that specific one | ID: 2 & 5 | High |
| Having a gallery or some form of library to showcase all of the food cards | ID: 2 | Medium |
| Have a database that can dynamically save recipes and access them.  Use Firebase an Firestore | ID: 2 | High |
| Edit Saved Recipes:  Accessing from the database, having the ability to showcase the recipe, and edit text or images for the recipe. | ID: 3 | Medium |
| Ui for editing recipes: Find a way to edit the recipe on the recipe page or the food card. | ID: 3 | Medium |
| Sharing saved recipes:  Creating a user profile and a database to hold other users.  Profile relations to cards will have to be specified in a diagram. | ID: 4 | Medium |
| Recipe page: having a responsive page for both desktop and mobile.  Fixing CSS and making it dynamic across all platforms. | ID: 5 | Medium |
| Search and suggestions:  Having a search or discover gallery to see other recipes.  This can be from friends and AI. Could also be a random feed.  This is the back end. | ID: 4 & 6 | Medium |
| Search / Discovery page:  This is for the front end.  This is the feed with suggestions. | ID: 6 & 14 | Medium |
| Food categories  Within the search/discovery page, implement a category system to allow specific searches or shortcuts. | ID: 7 | Low |
| Alternative substitute:  More suggestions within the recipe. Specifically, regarding ingredients.  To the recipe and its specific card | ID: 8 | Low |
| Nutrition Facts:  Adding possible nutrition facts if provided or sourced.  To the recipe and its specific card. | ID: 9 | Low |
| Simplifying steps   Having the AI simplify or summarize the recipe.  Create a button to do it. | ID: 10 | Low |
| Like and comment features:  Having this feature within the recipe card as well as a feature on the user side to like or unlike. | ID: 11 | Medium |
| Offline access and lightweight app.  Create the option to have saved recipes to download or to freeze the screen for slower devices. | ID: 12 | Low |
| User interface:  Create a clean UI to easily navigate through the website and possibly the app.  Must be discussed in groups and have constant feedback.  A consistent palette and style must be prominent. | ID: 15 | High |
|  |  |  |

# A screenshot of a chat Description automatically generated

# 4. Sprint Backlogs

|  |  |
| --- | --- |
| Sprint | Tasks |
| 1(Jan 13-Jan 20) | Release planning Document  Assign teams  Planning the 2nd Sprint: Tasks, backlogs, and roles |
| 2(Jan 20- Jan 27) | Before Tasks: Frontend Team: Main menu, Home page, Header and Footer.  To do: -Roger: Edit / Double check the Relationship Diagram. -Team: Use Figma, React, and HTML Language to figure out the starting components.  Backend Team: Figure out Firebase, and FireStore. -Use the Relationship Diagram to help store data |

# 5. Tool Screenshots

Sprint 1 - Release planning Document

A screenshot of a computer

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Backlog:

A screenshot of a chat

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Figma Design (Sahil)

A screenshot of a social media application

Description automatically generated

A person and child cutting food

Description automatically generated

A screenshot of a computer

Description automatically generated

A pizza on a wooden board

Description automatically generated

Survey (Showing only two questions)

A screenshot of a computer screen

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A screenshot of a computer

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# 6. Team Contributions

Provide a breakdown of each team member’s contribution to the project and report.

Example Table:

|  |  |
| --- | --- |
| Team Member | Contribution |
| Samrat Gautam | Facilitate meetings- took meeting minutes. |
| Ridham Elhance | Initial backend setup and organization |
| Mohamed Abd El-Gelil | Setup Firebase account , Database setup |
| Chidiebube Michael Duru | User stories, project board setup and planning |
| Sahil Modi | User Stories, App Design, Initial Survey Creation (For User Stories) |
| Roger Li | Initial Frontend setup and project backlog.  Relation Diagram setup. |
|  |  |

# 7. Challenges and Next Steps

Discuss any challenges faced during the planning process (e.g., tool limitations, unclear requirements, team). Outline actions for the next phase (e.g., refining sprint backlog, completing Sprint 1 tasks).

**Challenges Faced**

Initially, team communication was smooth; however, during the first week, we needed to pick a common meeting time. After discussion, we agreed to use lecture time as it was convenient for everyone. Dividing the team into frontend and backend groups was manageable but posed challenges due to varying levels of familiarity with certain tools and software among team members.

**Next Phase Actions**

* Further refine the sprint backlog to ensure clarity and alignment.
* Focus on completing Sprint 1 tasks, with special attention to balancing team workloads based on software proficiency.
* Continue leveraging lecture time for effective team coordination and progress tracking.

# 8. Appendices

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