**Project Progress Report**

**Team Name:** Feastly Development Team  
**Project Title:** Feastly (Recipe-App)  
**Date:** February 20, 2025  
**Group Number:** 18

**Group Members:**

* Roger Li
* Sahil Modi
* Troy Bello
* Samrat Gautam
* Ridham Elhance
* Abdelgelil Mohamed
* Michael Duru

**1. Project Overview**

Feastly is a digital platform designed to revolutionize meal planning and recipe sharing. It enables users to discover new recipes, save their favorites as recipe cards, share their culinary creations with others, and create personalized meal plans. The platform aims to present recipes in a simple yet informative card format with a user-friendly web interface.

This report outlines the system’s progress, sprint updates, challenges encountered, and GitHub logs for project tracking.

**2. System Overview and Screenshots**

**System Architecture & Technologies Used:**

* **Frontend:** React.js, HTML, CSS, Figma (for UI design)
* **Backend:** Firebase, Firestore (database)
* **AI Features:** AI-based search suggestions, ingredient alternatives
* **Additional Tools:** GitHub for version control, Jira for task management

**Screenshots:**

(Include screenshots of the UI, database schema, and system design here.)

**3. Implementation of the Software Engineering Process**

**3.1 Iterative Development & Sprints**

We have followed an iterative approach where features are developed incrementally and tested in phases. Below is the sprint breakdown:

**Sprint 1 (Jan 13 – Jan 20)**

* Created the **Release Planning Document**
* Assigned teams (Frontend & Backend division)
* Developed the initial **UI wireframes** using Figma
* Conducted a **technology selection meeting**

**Sprint 2 (Jan 20 – Jan 27)**

* **Frontend Team:** Designed main menu, home page, header, and footer.
* **Backend Team:** Setup Firebase & Firestore, defined database schema.
* Developed relationship diagram for **database structure**.

**Sprint 3 (Jan 28 – Jan 31)**

* Reviewed **feedback** on Release Planning Document
* Created **barebones website** for UI discussion
* Defined **data transfer methods** between frontend and backend.

**Sprint 4 (Feb 3 – Feb 7)**

* Finalized **Release Planning Document**
* **Frontend:** Improved website mockup, discussed UI design.
* **Backend:** Organized database structure, implemented data retrieval.

**Sprint 5 (Feb 10 – Feb 14)**

* **Frontend:** Implemented user-friendly UI components.
* **Backend:** Created database API for frontend integration.

**Sprint 6 (Feb 17 – Feb 21) *(Current Sprint)***

* **Frontend:** Linking UI functionalities with backend.
* **Backend:** Ensuring smooth data flow between frontend and database.

**4. Challenges Encountered**

**Team Coordination & Scheduling**

Initially, it was difficult to find a suitable common meeting time. To resolve this, we agreed to use lecture time for discussions.

**Technology Learning Curve**

Some team members had limited experience with Firebase & Firestore. To address this, we conducted internal training sessions and provided learning resources.

**Frontend & Backend Integration**

Ensuring seamless communication between React.js frontend and Firebase backend was challenging. We introduced well-defined API calls and documented data flow to improve integration.

**5. GitHub Log and Contributions**

**GitHub Activities Summary:**

* **Total Commits:**
* **Pull Requests Merged:**
* **Issues Created & Resolved:**

|  |  |
| --- | --- |
| **Team Member** | **Contributions** |
| **Samrat Gautam** | Facilitated meetings, created user stories, contributed to app design |
| **Ridham Elhance** | Initial backend setup and organization |
| **Mohamed Abd El-Gelil** | Firebase account & database setup |
| **Chidiebube Michael Duru** | User stories, project board setup, frontend development |
| **Sahil Modi** | User stories, app design, initial survey creation |
| **Roger Li** | Initial frontend setup, project backlog, relation diagram setup |
| **Troy Bello** | Frontend framework setup, user stories |

**6. TA Meeting Summary**

During our TA meeting, we:

* Demonstrated the current UI prototype
* Discussed database structure and API endpoints
* Received feedback on UI improvements and feature priorities
* Highlighted challenges in backend integration and discussed potential solutions

**Action Items Post-TA Meeting:**

* Improve UI responsiveness
* Optimize database queries for performance
* Develop unit tests for API validation

**7. Next Steps**

* Complete Sprint 6 (Integrating frontend with backend)
* Begin Sprint 7 (Implement mobile app component, refine UI design)
* Introduce AI-based recipe suggestions & search filtering
* Prepare for beta testing and user feedback collection