# Magic Broom Cleaning-Service App

## Sprint 3 Plan

Planned Completion Date: 03/15/2025

### Goal

The focus of Sprint 3 is to enhance user experience by refining the profile page, introducing real-time notifications, implementing cleaner-side functionalities, and integrating a rating and review system. Additionally, the team aims to optimize performance for improved request handling efficiency.

### Roles & Assignments

- Shreyas Shrestha (Full-Stack Developer, Scrum Master): Backend development for cleaner-side features and Firestore optimizations.

- Eric Yu (Frontend Developer): UI design and integration for profile enhancements and notifications.

- Kevin Cai (Backend Developer): API development for ratings & reviews and notification system.

- Yuan Shi (QA Engineer): Testing real-time updates, request handling, and cleaner dashboard functionality.

### User Stories & Tasks

#### Enhance Profile Page

*User Story: As a user, I want to update my profile with more details so that I can personalize my experience.*

- Expand user profile fields to include additional details (e.g., address, service preferences).

- Allow users to update their personal information more effectively.

- Improve UI design for better usability.

- Store and retrieve profile updates efficiently from Firestore.

#### Enable Notifications for Request Updates

*User Story: As a user, I want to receive real-time notifications so that I can stay informed about my requests.*

- Implement push notifications to inform users of request status changes.

- Use Firebase Cloud Messaging (FCM) for real-time updates.

- Ensure notifications are delivered even when the app is in the background.

- Allow users to enable or disable notifications via settings.

#### Cleaner-Side Features

*User Story: As a cleaner, I want to manage my orders efficiently so that I can accept or decline jobs in real-time.*

- Develop an interface for cleaners to accept or decline orders.

- Display assigned tasks in a dedicated Cleaner Dashboard.

- Implement real-time status updates upon request acceptance or rejection.

- Improve backend logic to support cleaner-side decision-making.

#### Introduce Ratings & Reviews

*User Story: As a customer, I want to rate and review cleaners so that I can help others choose the best service.*

- Allow customers to rate and review cleaners after service completion.

- Display ratings and reviews on cleaner profiles.

- Implement an average rating system to enhance credibility.

- Store reviews securely in Firestore and retrieve them efficiently.

#### Optimize Performance & Request Handling

*User Story: As a user, I want faster response times so that I can interact with the app smoothly.*

- Improve Firestore query efficiency to minimize database load.

- Reduce response time for request creation, acceptance, and deletion.

- Optimize state management to reduce unnecessary re-renders.

- Implement caching strategies where applicable.

### Scrum Board

\*\*To-Do\*\* | \*\*In-Progress\*\* | \*\*Done\*\*

- Expand user profile fields | Develop UI for profile settings | Store and retrieve profile updates

- Implement real-time notifications | Set up Firebase Cloud Messaging | Test notification delivery

- Develop cleaner-side dashboard | Implement API for accepting/declining requests | Optimize backend handling

- Integrate ratings & reviews | UI for displaying ratings | Store and retrieve reviews

- Optimize Firestore queries | Reduce response time for request actions | Improve caching

### Scrum Meetings

- Monday (online) @ 2:00-3:00 pm

- Tuesday (online) @ 5:00-7:00 pm

- Thursday (in-person) @ 3:00-4:30 pm