# 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

***User Story: As a user, I want to update my profile with more details so that I can personalize my experience.*(Story Points: 3, Priority: Medium)**

- Expand user profile fields to include additional details (e.g., address, service preferences).(1 hours)

- Allow users to update their personal information more effectively.(1 hours)

- Improve UI design for better usability.(2 hours)

- Store and retrieve profile updates efficiently from Firestore.(2 hours)

***User Story: As a user, I want to receive real-time notifications so that I can stay informed about my requests.*(Story Points: 8, Priority: High)**

- Implement push notifications to inform users of request status changes.(1 hours)

- Use Firebase Cloud Messaging (FCM) for real-time updates.(1 hours)

- Ensure notifications are delivered even when the app is in the background.(2 hours)

- Allow users to enable or disable notifications via settings.(2 hours)

***User Story: As a cleaner, I want to manage my orders efficiently so that I can accept or decline jobs in real-time.*(Story Points: 8, Priority: High)**

- Develop an interface for cleaners to accept or decline orders.(2 hours)

- Display assigned tasks in a dedicated Cleaner Dashboard.(2 hours)

- Implement real-time status updates upon request acceptance or rejection.(2 hours)

- Improve backend logic to support cleaner-side decision-making.(2 hours)

***User Story: As a customer, I want to rate and review cleaners so that I can help others choose the best service.*(Story Points: 3, Priority: Medium)**

- Allow customers to rate and review cleaners after service completion.(2 hours)

- Display ratings and reviews on cleaner profiles.(2 hours)

- Implement an rating system(Elo system) to enhance credibility.(2 hours)

- Store reviews securely in Firestore and retrieve them efficiently.(2 hours)

***User Story: As a user, I want faster response times so that I can interact with the app smoothly.*(Story Points: 5, Priority: High)**

- Improve Firestore query efficiency to minimize database load.(1 hours)

- Reduce response time for request creation, acceptance, and deletion.(1 hours)

- Optimize state management to reduce unnecessary re-renders.(2 hours)

- Implement caching strategies where applicable.(2 hours)

### 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 |  |
| Integrate ratings & reviews | UI for displaying ratings |  |

### Scrum Meetings

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

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

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

