**Magic Broom Cleaning-Service App**

**Sprint 2 Plan**

Completion Date: 02/15/2025

**Goal**

The goal of Sprint 2 is to implement service listing functionality and a basic booking system. This includes creating dynamic UI components for service listings, developing booking flows, and enabling features such as rescheduling and ratings.

**Roles & Assignments**

Shreyas Shrestha (Full-Stack Developer, Scrum Master): Backend development for service and booking logic

Eric Yu (Frontend Developer): UI components for service listings and booking flows Kevin Cai (Backend Developer): Database querying for service availability Yuan Shi (QA Engineer): Unit tests for booking and listing features

**User Stories & Tasks**

- As a customer, I want to browse available cleaning services so that I can choose the one that fits my needs. (Story Points: 5, Priority: High)

**Design and Set Up Database for Cleaning Services** (2 hours)

**Develop API for Retrieving Cleaning Services** (2 hours)

**Implement Frontend UI for Browsing Services** (2 hours)

**Optimize Performance & Search Functionality** (2 hours)

- As a customer, I want to schedule my cleaning service in advance so that I can plan according to my availability. (Story Points: 8, Priority: High)

**Create Database Schema for Bookings**(2 hours)

**Develop API for Scheduling a Cleaning Service** (2 hours)

**Implement a Calendar-Based Booking UI**(2 hours)

**Send Confirmation & Reminder Notifications**(2 hours)

- As a customer, I want to cancel or reschedule my booking if my schedule changes so that I don’t lose my money. (Story Points: 5, Priority: Medium)

**Develop API for Cancelling/Rescheduling**(2 hours)

**Update Booking UI with Cancellation/Rescheduling Options**(3 hours)

**Send Notifications for Cancellations/Reschedules**(3 hours)

- As a customer, I want to book a cleaner based on their ratings so that I can ensure quality service. (Story Points: 8, Priority: High)

**Create a Rating & Review System**(2 hours)

**Implement API for Retrieving and Filtering Cleaners by Ratings**(2 hours)

**Enhance UI to Display Cleaner Ratings & Reviews**(2 hours)

**Optimize Ranking Algorithm for High-Quality Cleaner**(2 hours)

- As a cleaner, I want to receive booking requests in real-time so that I can accept or decline them based on my availability. (Story Points: 5, Priority: Medium)

**Develop Real-Time Booking Notification System** (2 hours)

**Implement API for Accepting or Declining Bookings**(2 hours)

**Update Cleaner Dashboard UI for Booking Requests**(2 hours)

**Optimize Notification Reliability & Performance**(2 hours)

**Scrum Board**

To-Do In-Progress Done

Develop service listing backend logic

Design UI components for service listings

Enable rescheduling and cancellation

Implement ratings and reviews

**Scrum Meetings**

Create database queries for availability

Develop dynamic booking flows

Test service listing

functionality

Integrate backend and frontend flows

Monday (online) @ 2:00-3:00 pm Tuesday (online) @ 5:00-7:00 pm

