**Magic Broom Cleaning-Service App**

**Sprint 1 Plan**

Completion Date: 01/30/2025

**Goal**

The goal of Sprint 1 is to establish the core app infrastructure and implement user authentication. This includes setting up the backend, user registration, login system, and navigation.

**Roles & Assignments**

Shreyas Shrestha (Full-Stack Developer, Scrum Master): Backend setup, authentication logic, debugging

Eric Yu (Frontend Developer): UI/UX design for login, navigation implementation Kevin Cai (Backend Developer): Database schema, authentication endpoints Yuan Shi (QA Engineer): Unit tests for authentication and navigation

**User Stories & Tasks**

**- As a user, I want to create a secure account using my email or social login so that I can save my information. (Story Points: 8, Priority: High)**

Tasks:

Design Database Schema for User Accounts (2 hours)

Implement Email & Password Registration Flow (2 hours)

Implement Social Login (2 hours)

Create Frontend Registration UI (2 hours)

Implement Backend Validation & Security Measures (2 hours)

**- As a user, I want to log into my account quickly and securely so that I can resume my activities. (Story Points: 5, Priority: High)**

Tasks

Implement Email & Password Login Flow (2 hours)

Integrate Social Login for Authentication (2 hours)

Implement “Remember Me” and Session Expiration Handling (2 hours)

Create Frontend Login UI (2 hours)

**- As a user, I want an intuitive app layout with clear navigation so that I can easily access different features. (Story Points: 5, Priority: Medium)**

Tasks:

Define Navigation Flow and App Structure (2 hours)

Implement Navigation Components (Sidebar, Tabs, Menu, etc.) (2 hours)

Optimize Navigation Performance (2 hours)

**- As a user, I want to receive clear error messages if my login or registration fails so that I can resolve the issue. (Story Points: 3, Priority: Medium)**

Tasks:  
Define Standardized Error Messages (2 hours)

Implement Error Handling in Backend (2 hours)

Update Frontend UI to Display Errors Clearly (2 hours)

**Scrum Board**

To-Do In-Progress Done

Backend setup (Firebase, database schema)

User registration API development

User authentication (email, social login)

Frontend UI design & implementation

Implement navigation flow Unit tests for authentication Error handling & validation Debugging & testing

**Scrum Meetings**

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

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

Burnup chart

