

Web App Requirement Specification

1. Introduction

This document describes the requirements for the development of the Sample Web App. It outlines the project's objectives, features, functionalities, and constraints.

2. Purpose & Scope

- Define core features and behavior of the web application.
- Specify user stories and system requirements.
- Serve as a reference for developers and stakeholders.

3. Stakeholders

- Product Owner
- Development Team
- End Users
- QA Engineer

4. Functional Requirements

1. User registration and authentication.
2. User profile management.
3. Data input and editing functionality.
4. Dashboard with key metrics display.
5. Search and filter data.
6. Export data as CSV.

5. Non-Functional Requirements

- Responsive design for desktop and mobile.
- Accessibility compliance (WCAG 2.1 AA).
- System must handle 10,000 users concurrently.
- Average page load time < 2 seconds.

6. User Roles & Permissions

- **Admin:** Full access to all features and data.
- **User:** Access to personal data and general features.
- **Guest:** Limited access, no editing or exporting.

7. System Architecture Overview

- Front-end: Single Page Application
- Back-end: REST API
- Database: PostgreSQL

8. Constraints & Dependencies

- Browser compatibility: Edge, Chrome, Firefox, Safari (latest two versions).
- Third-party authentication providers: Google, Microsoft.

9. Acceptance Criteria

- All required functionality implemented and tested.

- Application passes security and performance tests.

10. Appendix

- Mockup images (to be attached).
- Glossary of terms (to be included).