Software Requirements Specification (SRS)

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April 28, 2025

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Versions Table

Version	Date	Author	Description of Changes
1.0	April 28, 2025	Aaren Quintero	Initial draft

1 Introduction

1.1 Purpose

The purpose of this Software Requirements Specification (SRS) document is to define the functional and non-functional requirements for the project. It will serve as a reference for the development team, stakeholders, and end-users.

1.2 Intended Audience

This document is intended for:

- Project stakeholders
- Software developers
- Quality assurance teams
- System users

1.3 Overview

This document provides an overview of the system's functionalities, external interfaces, and legal and ethical considerations. It also includes a glossary of terms and acronyms used throughout the document.

2   External Interface Requirements

2.1   User Interface

The application will provide an intuitive and user-friendly graphical interface. It will include:

- Home page with navigation menu

- User login and registration pages

- Dashboard with system status and user actions

2.2   Software Interfaces

The system will interface with:

- External databases for storing user data

- Third-party APIs for data retrieval

- Authentication services for secure login

3   Legal and Ethical Considerations

3.1   Data Privacy

All user data collected will be handled in accordance with privacy laws such as GDPR and CCPA. User consent will be required for data collection and storage.

3.2   Data Storage

Sensitive user information will be securely stored using encryption. Access to data will be restricted to authorized personnel only.

3.3   Ethical Considerations

We are committed to:

- Ensuring data transparency

- Protecting user anonymity where necessary

- Avoiding misuse or unauthorized sale of user data

3.4   Moral Dilemmas

Potential dilemmas include:

- Balancing user privacy with legal requirements for data disclosure

- Managing ethical use of collected data for analytics

4   Glossary

Acronym	Definition
SRS	Software Requirements Specification
UI	User Interface
API	Application Programming Interface
GDPR	General Data Protection Regulation
CCPA	California Consumer Privacy Act