**Software Requirements Specification (SRS)**

[Project Name]

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# **Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Description | Author |
| 1.0 | <your-date> | Initial Version | Author |

# Introduction

## Purpose

Explain the purpose of the SRS, its intended audience, and the overall objectives of the document.

## Scope

Explain the purpose of the SRS, its intended audience, and the overall objectives of the document.

## Definitions, Acronyms, and Abbreviations

Provide definitions for any specific terms, acronyms, and abbreviations used in the document.

## References

List any references to other documents or standards that are mentioned within the SRS.

## Overview

Provide a brief overview of the document structure and what each section will cover.

# Overall Description

## Product Perspective

Explain how the software fits within the larger system or business environment. Include information on interfaces with other software or systems.

## Product Functions

Provide a high-level summary of the main functions that the software will perform.

## User Characteristics

Describe the characteristics of intended end-users of the software, including any relevant personas or user roles.

## Constraints

Identify any constraints such as technical limitations, regulatory requirements, or business rules that impact the software development.

## Assumptions and Dependencies

State any assumptions that are taken regarding the project, and list dependencies on external systems or components.

# Specific Requirements

## Functional Requirements

Provide detailed descriptions of the specific functionalities that the software must possess. Each requirement should be uniquely identified and measurable.

## Non-Functional Requirements

Detail the system performance metrics such as speed, reliability, availability, and security requirements.

## Interface Requirements

Describe the interactions between the software and other systems, hardware, or software.

### User Interfaces

Detail any requirements related to the user interface and user experience.

### Hardware Interfaces

List hardware the software needs to interact with, including any specifications.

### Software Interfaces

Describe interactions with other software applications, including APIs.

### Communication Interfaces

Detail any communication requirements between various parts of the software or with external systems.

## Performance Requirements

List specific performance requirements for the system, such as load times, response times, and transaction throughput.

## Security Requirements

Identify security requirements, including data protection, user authentication, and authorization.

## Other Requirements

Include any additional requirements, such as environmental conditions or user documentation needs.

# Appendices

## Appendix A: Glossary

Include a glossary of terms used in the document.

## Appendix B: Analysis Models

Provide any models, diagrams, or flowcharts that help in understanding the requirements.

## Appendix C: Sample Data

Include examples of data formats or sample datasets, if applicable.