

# Software Requirements Specification (SRS)

Template Document

State University of Zanzibar (SUZA)

BSc Computer Science

## Document Information

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# 1 Introduction

## 1.1 Purpose

[Describe the purpose of this document and the intended audience.]

## 1.2 Project Scope

[Provide a brief description of the software being specified and its purpose.]

## 1.3 Definitions and Acronyms

Term	Definition
SRS	Software Requirements Specification
UI	User Interface
API	Application Programming Interface
[Add more]	[Definition]

## 1.4 References

[List any documents or resources referenced.]

# 2 Overall Description

## 2.1 Product Perspective

[Describe how the software fits into the larger system or environment.]

## 2.2 Product Features

[Summarize the major features of the software.]

## 2.3 User Classes and Characteristics

[Describe the different types of users who will use this software.]

User Class	Description	Technical Level
Administrator	System manager	High
End User	Regular user	Low to Medium
[Add more]	[Description]	[Level]

## 2.4 Operating Environment

[Describe the environment in which the software will operate.]

- Operating System:
- Browser Requirements:
- Hardware Requirements:

- Network Requirements:

## 2.5 Design and Implementation Constraints

[List any constraints that will affect the design or implementation.]

## 2.6 Assumptions and Dependencies

[List any assumptions made and external dependencies.]

# 3 Functional Requirements

## 3.1 Feature 1: [Feature Name]

**FR-001: [Requirement Title]**

- **Description:** [Detailed description of the requirement]
- **Priority:** High / Medium / Low
- **Input:** [What input is required]
- **Processing:** [What processing occurs]
- **Output:** [What output is expected]
- **Acceptance Criteria:** [How to verify this requirement is met]

**FR-002: [Requirement Title]**

- **Description:** [Detailed description]
- **Priority:** High / Medium / Low
- **Input:** [Input]
- **Processing:** [Processing]
- **Output:** [Output]
- **Acceptance Criteria:** [Criteria]

## 3.2 Feature 2: [Feature Name]

[Repeat the format above for each feature]

# 4 Non-Functional Requirements

## 4.1 Performance Requirements

- **NFR-P01:** The system shall respond to user requests within 3 seconds.
- **NFR-P02:** The system shall support at least 100 concurrent users.

ance requirements

## 4.2 Security Requirements

- **NFR-S01:** All passwords shall be encrypted using industry-standard encryption.
- **NFR-S02:** User sessions shall timeout after 30 minutes of inactivity.

urity requirements

## 4.3 Usability Requirements

- **NFR-U01:** The system shall be accessible on mobile devices.
- **NFR-U02:** New users shall be able to complete basic tasks within 5 minutes without training.

bility requirements

## 4.4 Reliability Requirements

- **NFR-R01:** The system shall have 99% uptime.
- **NFR-R02:** Data shall be backed up daily.

bility requirements

# 5 User Stories

## 5.1 User Story Template

**As a** [type of user], **I want** [some goal] **so that** [some reason].

## 5.2 User Story 1

**As a** [user type], **I want** [action] **so that** [benefit].

**Acceptance Criteria:**

1. Given [context], when [action], then [result]
2. Given [context], when [action], then [result]

## 5.3 User Story 2

[Repeat format above]

## 6 Use Cases

### 6.1 Use Case 1: [Use Case Name]

<b>Use Case ID</b>	UC-001
<b>Name</b>	[Use Case Name]
<b>Actor(s)</b>	[Primary Actor]
<b>Description</b>	[Brief description]
<b>Preconditions</b>	[What must be true before]
<b>Main Flow</b>	<ol style="list-style-type: none"><li>1. Step 1</li><li>2. Step 2</li><li>3. Step 3</li></ol>
<b>Alternative Flows</b>	[Describe alternatives]
<b>Postconditions</b>	[What is true after]

## 7 Requirements Traceability Matrix

Req ID	User Story	Test Case	Status
FR-001	US-001	TC-001	Pending
FR-002	US-002	TC-002	Pending

## 8 Approval

Role	Name	Signature/Date
Project Supervisor		
Team Lead		