

# Software Requirements Specification (SRS)

Project Title: \_\_\_\_\_

Team Members: \_\_\_\_\_

Date: \_\_\_\_\_

## 1. Introduction

### 1.1 Purpose

The purpose of this project is to create a \_\_\_\_\_.

### 1.2 Scope

The system will provide the following functionalities:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

The backend will be built in Java + Spring Boot, and data will be stored using file handling.

### 1.3 Intended Users

- \_\_\_\_\_
- \_\_\_\_\_

## 2. System Overview

The system will take input using API endpoints, process it through Java classes (Model → Service → Controller), and store the data in files (TXT/CSV/JSON).

### 3. System Features

3.1 Feature 1: \_\_\_\_\_

Description:

\_\_\_\_\_

Functionalities:

- \_\_\_\_\_

- \_\_\_\_\_

3.2 Feature 2: \_\_\_\_\_

Description:

\_\_\_\_\_

Functionalities:

- \_\_\_\_\_

- \_\_\_\_\_

### 4. API Endpoints

Method | Endpoint | Description

GET | /api/\_\_\_\_\_ | \_\_\_\_\_

POST | /api/\_\_\_\_\_ | \_\_\_\_\_

PUT | /api/\_\_\_\_\_/ {id} | \_\_\_\_\_

DELETE | /api/\_\_\_\_\_/ {id} | \_\_\_\_\_

### 5. Data Storage Using Files

5.1 File Type

(Select one)

- TXT

- JSON

- CSV

## 5.2 File Name

Filename: \_\_\_\_\_

## 5.3 File Format Example

Example entry:

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## 6. Data Model (Classes)

Class Name: \_\_\_\_\_

Attributes:

- \_\_\_\_\_ : \_\_\_\_\_

- \_\_\_\_\_ : \_\_\_\_\_

- \_\_\_\_\_ : \_\_\_\_\_

Class Name: \_\_\_\_\_

Attributes:

- \_\_\_\_\_ : \_\_\_\_\_

- \_\_\_\_\_ : \_\_\_\_\_

## 7. Non-Functional Requirements (not mandatory)

- Performance: \_\_\_\_\_

- Reliability: \_\_\_\_\_
- Security: \_\_\_\_\_
- Maintainability: \_\_\_\_\_
- Usability: \_\_\_\_\_

## 8. Technology Stack

- Programming Language: Java
- Framework: Spring Boot
- Build Tool: Maven
- Development Tool: IntelliJ IDEA
- Testing Tool: Postman
- Storage: File Handling (no database)

## 9. Sample Input/Output

Sample Request (POST JSON):

```
{  
  "_____": "_____",  
  "_____": "_____"  
}
```

Sample Response:

```
{  
  "status": "success",  
  "message": "_____"  
}
```

## 10. Assumptions

- \_\_\_\_\_
- \_\_\_\_\_

## 11. Limitations

- No database is used; only file handling.
- \_\_\_\_\_