

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:

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.

- _____