Software Requirements Specification (SRS) for BOOK Catalogue

1. Introduction

1.1 Purpose

The purpose of this document is to provide a detailed specification for the Book Catalogue Management System. This system will allow users to create, save, view, edit, and delete book information. The book data will be stored in the local storage of the user's browser.

1.2 Scope

The Book Catalogue Management System will include functionalities for adding new books, displaying a list of books, editing existing books, and deleting books. The system will utilize Angular for the frontend and local storage for data persistence.

1.3 Definitions, Acronyms, and Abbreviations

Angular: A platform for building mobile and desktop web applications.

Local Storage: Web storage that allows storing data in the browser.

CRUD: Create, Read, Update, Delete.

2. Functional Requirements

2.1 BOOK Object Properties

id: A unique identifier for the book (number).

title: The title of the book (string).

author: The author of the book (string).

genre: The genre of the book (string).

description: A brief description of the book (string).

publishedDate: The publication date of the book (Date).

2.2 Functionalities

Create Book: Ability to add a new book with the fields: title, author, genre, description, publishedDate, and readStatus.

Save to Local Storage: Books should be saved in the browser's local storage.

Show List of Books: Display all the books stored in local storage.

Edit Book: Modify the details of an existing book.

Delete Book: Remove a book from the list.

Search Books: Search for books by title, author, or genre.

3. Non-Functional Requirements

3.1 Usability

The application should have an intuitive user interface for easy navigation and use.

3.2 Performance

The application should quickly respond to user actions.

3.3 Reliability

The data stored in local storage should persist even after the browser is closed and reopened.

3.4 Compatibility

The application should be compatible with modern web browsers.

4. System Design

4.1 Components

Home Component: A welcome Component

Show:Responsible for displaying the list of contacts.

Create :A form for adding and editing contacts.

DetailView:for the detail previe

Handles the business logic, including Service for CRUD operations with local storage.