

SOFTWARE REQUIREMENT SPECIFICATION(SRS)

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1 Introduction

1.1 Purpose

The purpose of this document is to define the functional and nonfunctional requirements of an E-Book website. The site will allow users to search for books, explore list of books and authors, contact the developers, view book covers, receive recommendations, and find nearby bookstores and users can rate books.

1.2 Scope

The E-Book website aims to provide a platform where users can gain knowledge about books or authors by providing some methods like searching for book using search engine or our book list also get to know about some authors from our authors' list and user can share details about new books also viewing bookstores nearby user. The site ensures accessibility and usability across multiple platforms, offering high-quality services to users and maintaining flexibility for future updates

1.3 intended audience

Readers across the world

2 overall descriptions

2.1 Product Perspective

The E-Book website will be a standalone system, accessible via web browsers. It will connect users to a vast library of books, recommendations, and bookstore locations.

2.2 Product Features

- Search for books by title

- View books organized in booklist.
- Contact developers to provide book suggestions and feedback.
- Display high-quality book cover images.
- Locate the nearest bookstores
- Rate books

2.3 User Characteristics

The primary users include book enthusiasts and developers responsible for maintaining the system. Users are expected to have basic web navigation skills.

2.4 Design and Implementation Constraints

- Internet access is required to use the website.
- Recommendations depend on users' interaction and input data.

2.5 Assumptions and Dependencies

- Users will provide accurate information when submitting new book details.
- The system will integrate reliable third-party APIs for bookstore location services.

2.6 User Documentation

Users can access our website by using browsing apps by searching on our website name or using URL

3 System Features

3.1 Search for Books

- Users can search for books by title.
- The search results will include relevant book details and a cover image.

3.2 feedback

- A form to allow users to submit details about new books.
- Collect user feedback regarding the website.

3.3 login and sign up

- user can create an account to login to our website.

3.4 Nearest Bookstore Suggestions

- Provide the location of the nearest bookstore based on user current location or typed location using location API

3.5 Rate books

- Users can rate books by giving from 1 to 5 stars

3.6 list books and authors

- list all books and authors in page for browsing(scrolling) the books and gain information about some authors
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4 external interface requirements

4.1 USER INTERFACES Homepage:

- A clean and simple homepage with search functionality prominently displayed.
- Menu options for navigating to book and authors list, nearest book store location, and the "Contact Us" page.

Search Results Page:

- Displays a list of books matching the search query.
- Each result includes the book title, author, knowledge and a high-resolution cover photo.

Books list Page:

- A filterable and sortable display of books and authors .

Book Details Page:

- Detailed information about the book (e.g., title, author and description).
- High-quality display of the book cover photo.

feedback Page:

- A form for submitting feedback or details about new books.
- Fields include name, email, and message content.

4.2 Hardware Interfaces

- Compatible with devices such as desktops, laptops, tablets, and smartphones

4.3 Software Requirements

- A database system for storing rates of books and authentication system (local storage).
- APIs for bookstores location and feedback
- Frontend technologies like HTML5, CSS3, bootstrap and JavaScript .

4.4 COMMUNICATION INTERFACES

This project supports all types of web browsers

5 Nonfunctional Requirements

5.1 Site Flexibility

- The site will be compatible with all major web browsers and platforms (Windows, macOS, Android, iOS).

5.2 Cover Quality

- Book covers will be displayed in high resolution, ensuring optimal viewing quality.

5.3 Ease of Use

- The website will have a simple and intuitive user interface.
- Navigation menus and features will be designed for effortless access.

5.4 Maintainability

- The site will be built using modular and maintainable code.
- Regular updates will address errors and integrate new features.

5.5 Availability

- The website will maintain 99.9% uptime, ensuring round-the clock availability to users.