
Supplementary Specification

for

Book Rental and Sales System

Version 1.1 approved

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Group 8

October 16, 2023

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Revision History

Name	Date	Reason For Changes	Version
Trinh Thai Linh	16-Oct-23	Create Document Template	1.0
Do Tien Dung	18-Oct-23	Update document	1.1

1. Introduction

1.1 Purpose

The main purpose of this document is to outline all of the requirements of the book selling and reading support system and other related activities. This document serves as a reference for developers to maintain, implements additional features easily by listing the requirements that have not been mentioned in the Use Case Model document. This document can also ensure the consistency between system's design and client's requirements.

1.2 Intended Audience and Reading Suggestions

The different types of reader that the document is intended for are:

- Designers: Design a User Interface that satisfies the requirements specified in this SRS.
- Developers: Implement codes from the design and these documents. They use this document as a blueprint, and it makes sure that, firstly, their code works properly, and secondly, it is in sync with others' codes.
- Tester: Use this document to understand the requirements. They have to create a test plan that outlines the scope of testing, testing objectives, test environment setup, resources required, and a schedule.
- Documentation writers: Ensure that the documentation aligns with the software's requirements as specified in the Software Requirements Specification (SRS). Verify that the documented information is accurate and complete.

1.3 Product Scope

The software, “Book Rental and Sales System”, is designed to provide a platform for users to rent, purchase, read books in both physical and electrical form. Additionally, it includes a forum where users can discuss with other readers about the books they purchased, rented or simply ones that captured their interest. The system aims to enhance the reading experience and promote the reading community engagements.

1.4 References

- [1] Form of presentation IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.
- [2] System Requirements Specification Content and Format Standard, which specifies the content and format of this specification.
- [3] Previous Project of Object-Oriented Analysis and Design Course, The Cargo Carriage System.

2. Overall Description

2.1 Product Perspective

The “Book Rental and Sales System” is a product which is designed to provide a convenient experience for users to discover, purchase, and read books while taking part in book or book-related discussions. It also provides sellers a platform to sell their used book with many features supported.

2.2 Product Functions

2.2.1 Functions designed for Member

- User authentication
- Search for books and read book
- Rent, purchase and read books
- Create and manage user profiles
- Post and engage in book discussions in the forum
- Ask chatbox
- Sell used book

2.2.2 Functions designed for Administrator

- Manage orders
- User authentication
- Update Books' Information

2.2.3 Functions designed for Guest

- Search, View details of a book and Buy book
- Ask chat box
- User registration

2.3 Operating Environment

The system is designed to operate on website and mobile platforms. It is compatible with common web browsers (Chrome, Firefox, Safari) and mobile operating systems (iOS, Android).

2.4 User Documentation

User documentation will include user manuals, online help, and tutorials for using the system. It will be available in both web-based and mobile formats or provide official pdf documents.

2.5 Assumptions and Dependencies

- The availability of payment gateways for book purchases.
- Compliance with data protection regulations.
- Availability of a secure hosting environment.

3. External Interface Requirements

3.1 User Interfaces

The user interface should follow a modern, user-friendly design. It should include guide navigation, book search features, and a forum interface for discussions.

3.2 Hardware Interfaces

The system should interact with user devices, such as smartphones and computers, to enable book reading, purchase action and other functions.

3.3 Software Interfaces

The system should be implemented with external payment gateways for processing book purchases. Additionally, it integrates with external social media platforms for user login and sharing.

3.4 Communications Interfaces

The system should support secure communication for user data, including secure protocols for web interactions and secure API communication for external integrations.

4. Other Nonfunctional Requirements

4.1 Performance Requirements

- The system provides fast book loading and responsiveness.
- Book downloads are efficient, even for large files.
- Forum discussions load quickly and support real-time updates.
- Purchase progress is quick and secure
- Can handle a mount of request

4.2 Safety Requirements

- Ensure user data privacy and comply with data protection regulations.
- Implement secure authentication and authorization methods.

4.3 Security Requirements

- Protect user data with some encryption algorithm.
- Implement user identity authentication for secure access.
- Follow “best practices” for securing user-generated content in the forum.

4.4 Software Quality Attributes

- Ensure high availability and reliability.

- Prioritize ease of use for readers and authors.
- Promote performance and security in all interactions.

5. Other Requirements

- The system supports multiple languages for a global audience.
- Legal requirements, such as copyright and licensing, should be strictly adhered to