

<Team 11>

An Online Bookstore System Vision Document

Version <1.0>

Revision History

Date	Version	Description	Author
29/10/23	1.0	Introduction & Positioning	Nguyen Le Tan Thanh
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Vision (Small Project)

1. Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of An Online Bookstore System. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the “An Online Bookstore System” fulfills these needs are detailed in the use-case and supplementary specifications. The introduction of the vision document provides an overview of the entire document. It includes the purpose and references of this vision document.

1.1 References

- lecturer slide
- Sample vision document: [rup_vision_sp-example.docx](#)
- Video instruction: [PA1 Vision Document](#)
- Chrome browser system requirements - Chrome Enterprise and Education Help (google.com)
- PA0

2. Positioning

2.1 Problem Statement

The problem of	Currently, there are many websites for customers to order necessary products. Due to the variety of products displayed on a website, the results of searching are not only books but also other products. This leads to the fact that it is difficult for customers to look for books they need.
affects	Customers who would like to find their books they need.
the impact of which is	The above problem leads to taking customers a long time to surf the website, look for and order some books.
a successful solution would be	Building a system that allows users to focus only on one type of product, especially various books, looking for some books they would like to read more conveniently and order them.

2.2 Product Position Statement

For	customers and the bookstore manager
Who	look for books, order books, or administer revenue, quantities of inventory books, and post books and sales information.
The (product name)	is a website.
That	enables ordering online, looking for books, etc and administering merchandise, prices of merchandise, revenue, etc.
Unlike	the current book sales websites.
Our product	making customers focus only on one type of merchandise and order them more easily.

3. Stakeholder and User Descriptions

This section describes the users of An Online Bookstore System. There are two types of users of this system, such as customers and the bookstore manager.

3.1 Stakeholder Summary

Name	Description	Responsibilities
Mentors	Lecturers Nguyen Minh Huy Ho Tuan Thanh Tran Duy Thao	Supervise the whole software development process, give suggestions, support and help when the team needs it.
Development team	Developers	Responsible for system implementation, coding, debugging, upgrading, and proving the correctness and integrity of the system.
Customers	Customers	Ensures that the system will meet the needs of customers.
The bookstore manager	The bookstore manager	Ensures that the system will meet the needs of the bookstore manager, who has to administer revenue on the website, quantities of inventory books, prices of books, posters, and sales information.

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
The bookstore manager	Users who are a bookstore manager on An Online Bookstore System.	Login to the website, Surfing the website Looking for books Ordering books Viewing feedbacks Following order tracking	Self-represented
Customers	Users who are customers on An Online Bookstore System.	administer revenue on the website, quantities of inventory books, prices of books, posters, and sales information.	Self-represented

3.3 User Environment

- The number of people involved in completing the task can vary depending on the size of the user community which includes users who are computer literate and have the ability to register an account via personal computers and to order books and make payments. The number of people involved may change over time as the project scales or organizational needs evolve.
- The user community is a large sophisticated community that demands the flexible response time that the system provides.
- System platforms in use today are specific system platforms, such as various web browsers (Chrome, Firefox, Safari, etc). It is important to consider future platform considerations to ensure the system remains compatible and accessible as new platforms publish and gain popularity.
- Currently, there are no other applications in use. In the future, it will have integration with other applications if it makes agreements with delivery companies and banks to provide many payment methods to users

3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Search speed is fast	High priority	Search time and accuracy	Reorganize the database	Replace search algorithms for optimal results
Customer information must be kept confidential	High priority	Disclose phone number or address	None	List of customer information is encrypted to enhance security
Good user experience	Relative priority	Beautiful UI, convenient to use, does not cause discomfort to customers	None	Develop interface through each update, listen to customer opinions
Perform the correct operations	High priority	The website may encounter problems causing errors	None	Enhance website accuracy through updates
The system is always available	Relative priority	The server may crash or be idle for too long	None	Upgrade server

3.5 Alternatives and Competition

The current online bookstore websites are still working effectively and have become the standard when developing similar applications. What An Online bookstore System aims for is making it smoother and more user-friendly.

The system will prioritize the user experience (UI/UX), making it vibrant, visually appealing, and highly engaging for users.

4. Product Overview

This section provides a high level view of the product capabilities, interfaces to other applications, and system configurations.

4.1 Product Perspective

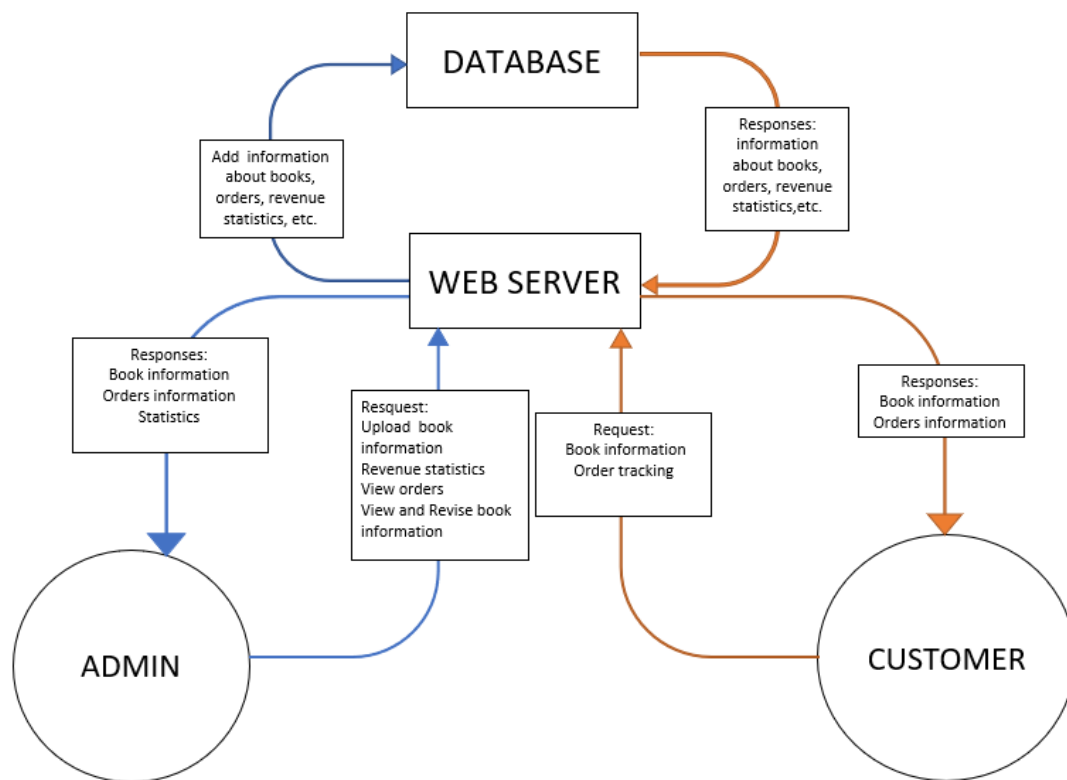


Figure 4.1: An Online Bookstore System context diagram

4.2 Assumptions and Dependencies

None

5. Product Features

- As a customer:

No.	Name feature	Brief description
1	User account	The website shall allow users to create a new account or log in to an existing account.
2	Account management	A screen page to display customer profiles including fullname, phone number and list of customer addresses. It also includes other less important information such as email, date of birth, gender, etc.
3	Search engine	The search engine allows users to find books in the book store. The priority for searching decreases according to book title, author name, and genre name. After performing a search, a screen will be returned showing a list of books similar to the search keyword. The user can sort the result to satisfy their personal preference.

4	Shopping Cart	A screen displays short information about all products that the user has placed in the shopping cart. Calculate the total price of all products in the shopping cart.
5	Purchase	A screen page displays information about items to be purchased and requires the customer to confirm delivery information taken from the user account section. If there are errors in information, allow customers to correct order information. After the customer identifies the order, create an order and send it to the bookstore and update the inventory.
6	Order tracking	A screen page showing the delivery status of the order. The delivery status of the order will be updated by the seller continuously.
7	Feedback	Customers can read reviews when viewing a product. Customers can also leave feedback after purchasing and receiving the products.
8	Chat box	A pop-up page allows customers to compose questions for the bookstore admin. On this pop-up, short information about products that customers are interested in will be attached.

- As a bookstore owners (Admin):

No.	Feature	Brief description
1	Account management	You need to authenticate as an admin account to be able to grant admin rights.
2	Upload products	Allows bookstore admin to post a new product on their sales website. Then update the inventory and show the article on the sale page, where customers can find it.
3	Book Categorization	Each book is labeled with one or more different labels to facilitate classification and searching. Customers can search for books using this classification label. When new books are posted, bookstore admins can add new labels or reuse pre-created labels.
4	Order management	A screen page that allows bookstore admin to check the status of all orders being delivered, and can update the delivery status.

5	Revenue statistics	This function allows calculating profit from sales and viewing bookstore sales statistics. This is a page where the total amount of imported products, the amount of sales, and finally the sales profit will be calculated.
6	Warehouse management	Statistics on the number of products remaining in stock. Bookstore admin can edit the prices of the products they have posted and import prices.

6. Non-Functional Requirements

6.1 Applicable standards

- The website must have a friendly User Interface(UI) and User Experience(UX) Design.
- The website should protect customer information.

6.2 System requirement

- **The customer** can access the website from any device that can run Google Chrome. In that case, the system requirement will be the system requirement of Chrome:
 - + **On Windows**, Windows 10 or later or Windows Server 2016 or later
 - + **On macOS**, macOS Catalina 10.15 or later
 - + **On Linux**, 64-bit Ubuntu 18.04+, Debian 10+, openSUSE 15.2+, or Fedora Linux 32+
 - + **On Android**, Android 7.0 Nougat or later
 - + **CPU**: An Intel Pentium 4 processor or later that's SSE3 capable
 - + **RAM**: 2GB Minimum, 8GB Recommended
- **Server** requirement:
 - + **CPU**: Intel Xeon E3-1230 v5 (8M Cache, 3.4 GHz) or better
 - + **RAM**: 8GB Recommended
 - + **Storage**: 128GB Recommended

6.3 Performance requirement

- The website should run 24/7.
- Searches should return results within 10 seconds.
- Orders should be processed within 10 seconds.
- Login should take no more than 10 seconds.

6.4 Environmental requirement

- The bookstore must have a business license.

6.5 Documentation Requirements

- None

6.6 Priority

- At the end of this course, our project will at least have the following features:
 - + User account (**Customer and Admin**)
 - + Account management (**Customer and Admin**)
 - + Search engine
 - + Shopping Cart
 - + Purchase
 - + Upload products (**Admin**)
 - + Book Categorization (**Admin**)
 - + Order management (**Admin**)
 - + Revenue statistics (**Admin**)
 - + Warehouse management (**Admin**)