
Group 14

**BOOKEE
Vision Document**

Version 2.0

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Revision History

Date	Version	Description	Author
29/10/2023	1.0	First version with the information we have at sprint 1	All team
11/11/2023	2.0	Update stakeholders Add managermaent and statistical features Update non-function requirements	HBNQuynh

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1. Introduction

1.1 References

Documents provided in **CSC13002 - Introduction to Software Engineering** class.

2. Positioning

2.1 Problem Statement

The problem of	many people enjoy reading books but struggle to find their favorite ones.
affects	book-lovers, book-sellers, book-buyers.
the impact of which is	people often have difficulty selecting the right website to buy or sell books online.
a successful solution would be	A user-friendly and contemporary web application accessible to everyone, the product would provide access to the latest books for readers and facilitate book exchanges among users.

2.2 Product Position Statement

For	people who want to read books, novels, ...
Who	have not found the right place to fulfill their needs.
The BOOKEE	is a web application
That	offers the opportunity to access knowledge through books, novels, and exchange surplus books with those who need them.
Unlike	other e-commerce platforms do not allow book exchanges, writing comments, and similar activities.
Our product	enables users to easily find the books they need, offers flexibility in trading with others, and provides efficient recommendations based on readers' favorite genres.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Supervisor/advisor (Mr. Nguyen Le Hoang Dung)	Supervising and giving advice in the process of developing the system.	Help development team understand requirements of the project correctly
Project manager (Pham Thi Phuong Nam)	People who manage the development team's work progress.	Ensure that the project will go right on schedule, assign tasks to development team's members
Development team (Group 14)	People who develop the system	Responsible for developing and maintaining the system. Ensure that the system will meet the needs of users.

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End Users (Buyers, Sellers,...)	This stakeholder will give feedback on how well the application is working	Experimenting the application and giving feedback.
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3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Administrator	Website manager	Manage the website, review products before posting and handle buyer's reports about the products/website	Self-representation
Buyers	Users who use this website to buy books	Create account Search books based on their needs Buy pdf to read directly on the web, or download it Write review about the books or report if it's not appropriate for the community	Self-representation
Sellers	Users who use this website to sell books	Seller can sell pdf books on the web after the admin checked. They can earn money from selling books (if they want)	Self-representation

3.3 User Environment

BOOKEE users can be anyone regardless of ages and hobbies, from people who love books, people who are interested in knowledge to people who just want entertainment.

Bookee can be used anywhere: at home, at school, at the park, etc.... as long as users have their devices (mobile phone, laptop, pc,...)

Users can choose books from many genres or sell existing books for profit.

Bookee is limited to people who enjoy reading but it might be expandable for everyone in the near future.

3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Effective search engine	High	Users can search for books based on their needs	None	Categorize books based on genre, author or name
Suitable UI	Medium	Readers can use any device to read comics	None	Website change its UI to fit with user's device
Users need the website to show views of every book	Low	Views of books help the user know more about the trending and the spread of this books	None	Trying to update the following regularly and adding the views part under every book.

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3.5 Alternatives and Competition

Alternatives	Strength	Weaknesses
PDF Drive: https://pdfdrive.webs.nf/	<ul style="list-style-type: none"> • Can read online or download • User doesn't have to login • Free 	<ul style="list-style-type: none"> • Bad design • Unwanted ads • Can't save used books • Can't find books with genre
ManyBooks: https://manybooks.net/	<ul style="list-style-type: none"> • Can find books with name, author, wanted genre, languages, etc.. • Has books recommendation based on genre • Mostly free 	<ul style="list-style-type: none"> • Can't saved read or favorite genre for next time
PDF Books World: https://www.pdfbooksworld.com/	<ul style="list-style-type: none"> • Can find books with name, author, wanted genre, languages, etc.. • User doesn't have to login 	<ul style="list-style-type: none"> • Can't saved read or favorite genre for next time

4. Product Overview

4.1 Product Perspective

The product, an ebook-selling website, operates within the context of the broader internet. It is a standalone web application that functions independently but relies on internet connectivity and web browsers. While the website itself does not depend on other specific software applications, it interacts with various components such as web servers, databases, payment gateways, and user devices (such as computers, smartphones, and tablets). The interactions between these elements enable users to browse, purchase, and download ebooks. Below is a simplified block diagram representing the major components and their interactions:

Diagram: WebsiteInterface <--> WebServer <--> Database <--> PaymentGateway.

4.2 Assumptions and Dependencies

- **Internet Connectivity:** The website assumes users have access to the internet to browse, select, purchase, and download ebooks. Any disruption in internet services will affect the website's functionality.
- **Web Browsers:** Users are assumed to have modern web browsers (such as Chrome, Firefox, Safari, or Edge) that support the website's features and security protocols. Changes in browser technologies might necessitate updates to the website's codebase for compatibility.
- **Payment Gateway:** The website relies on a third-party payment gateway to process transactions securely. Any changes in the payment gateway's API or services could require updates to the website's payment processing system.
- **Device Compatibility:** The website assumes users access it through devices (computers, smartphones, tablets) with compatible hardware and software. Any significant shifts in device technologies might require adjustments to ensure the website remains user-friendly across various platforms.
- **Digital Rights Management (DRM) Systems:** If the website implements DRM to protect ebooks from unauthorized copying, it assumes the availability and compatibility of DRM technologies. Changes in DRM standards or availability might impact the implementation of ebook security measures.
- **Ebook Formats:** The website assumes that the ebooks it sells are available in digital formats (PDF) compatible with common e-reader applications. Any changes in ebook formats might require updates to ensure compatibility with users' devices.
- **Legal and Copyright Regulations:** The website assumes that all ebooks sold comply with legal and copyright regulations. Any changes in these regulations might impact the availability and distribution of certain ebooks, requiring adjustments in the product catalog and legal documentation.

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5. Product Features

No.	Feature	Type of user	Description	Priority
1	Product censorship	Admin	Books undergo thorough reviews before being featured on the website to guarantee quality and reliability.	Medium
2	Ban illegal accounts and products	Admin	Administrators will address any reported issues and fix bugs promptly.	Medium
3	View number of signed up people	Admin	Show the number of signed up people. Through which admins can monitor the development of the website	Low
4	Purchase products (payment)	Buyer	Users interested in buying books can browse the web, select their desired items, and proceed with the transaction, which will be processed by the system.	High
5	Search books by title/ genre	Buyer	Readers can easily search for books by author, title, type of books or related keywords.	High
6	Book recommendation	Buyer	The system will suggest books based on personalized data, including books that recently read, user's preferences and budget.	Medium
7	Add books to wishlist (shopping cart)	Buyer	Users can add books to their wishlist (shopping cart) for easy tracking for future purchases.	Medium
8	Read online or download	Buyer	After making a purchase, readers have the option to either read books directly on the website or download them for offline reading.	Medium
9	Feedback or reviews	Buyer	After making a purchase, readers can share feedback and reviews about the books they've read, offering genuine insights for other users.	Medium
10	Report issues	Buyer	Users have the ability to report any problems concerning books or sellers, promoting safety and honesty within the online book community.	Low
11	Sign up	Buyer, Seller	New users can create an account and store their username and password in the database for future sign-ins.	High
12	Sign in	Buyer, Seller	Users who do not sign in can just search for products. Therefore, they need to log in to use other features of the website.	High
13	Expense management	Buyer, Seller	The system enables users to monitor their purchased books and the corresponding expenses, aiding them in effectively managing their reading budget.	Low
14	View profile	Buyer, Seller	This page contains your account information, allowing you to set your avatar, cover photo, and other personal details.	Medium
15	Register products	Seller	Users who want to sell books will post theirs on the web.	High

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6. Non-Functional Requirements

Priority	Requirement
Stability	<ul style="list-style-type: none"> • In standard network conditions, the website should fully load in less than 4 seconds when the total number of simultaneous users on the website are greater than 200 • Switching time between pages do not exceed 0.5 seconds • The design of interface uses pastel tones, with no more than 5 colors on each screen • Database server must be able to handle lots of data since the system has to contain both user and admin data
Benefit	<ul style="list-style-type: none"> • A customer should easily find the right product they need and make a purchase without contacting administrator • No multistep checkout: users must reach the “add to cart” button in one step from any pages.
Effort	<ul style="list-style-type: none"> • People can only search for products if they are not logged in • Readers can use any device to access the website, such as smartphones, laptops, PCs,...etc. The website will change its UI to fit user device
Risk	<ul style="list-style-type: none"> • Between 6AM and 11PM in anyday, the total system down time should not exceed 5 minutes • Between 11PM and 6AM in anyday, the total system down time should not exceed 20 minutes • System come back online within 4 seconds after a failure