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**Group 14**

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**BOOKEE  
Vision Document**

**Version 1.0**

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Vision (Small Project)	Date: 29/10/2023
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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

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## Vision (Small Project)

### 1. Introduction

#### 1.1 References

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

### 2. Positioning

#### 2.1 Problem Statement

<b>The problem of</b>	many people enjoy reading books but struggle to find their favorite ones.
<b>affects</b>	book-lovers, book-sellers, book-buyers.
<b>the impact of which is</b>	people often have difficulty selecting the right website to buy or sell books online.
<b>a successful solution would be</b>	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

<b>For</b>	people who want to read books, novels, ...
<b>Who</b>	have not found the right place to fulfill their needs.
<b>The BOOKEE</b>	is a web application
<b>That</b>	offers the opportunity to access knowledge through books, novels, and exchange surplus books with those who need them.
<b>Unlike</b>	Other e-commerce platforms do not allow book exchanges, writing comments, and similar activities.
<b>Our product</b>	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	Supervising and giving advice in process to develop the system	Help development team understand requirements of the project correctly
Project manager	Managing the development team's work progress	Ensure that the project will go right on schedule, assign tasks to development team's members
Development team	Developing the system	Responsible for developing and maintaining the system. Ensure that the system will meet the needs of users.

#### 3.2 User Summary

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Name	Description	Responsibilities	Stakeholder
Administrator	Website management	Manage the website, review products before posting and handle buyer's reports about the products/website	Self-representation
Buyers	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	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

### 3.5 Alternatives and Competition

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

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## 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.

## 5. Product Features

No.	Feature	Description	Priority
1	Sign in/ sign up	New users can create an account and store their username and password in the database for future sign-ins.	High
2	Post products	Users who want to sell books will post theirs on the web.	High
3	Purchase products	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
4	Search books by title/ genre	Readers can easily search for books by author, title, type of books or related keywords.	High
5	Book recommendation	The system will suggest books based on personalized data, including books that recently read, user's preferences and budget.	Medium
6	Add books to wishlist (shopping cart)	Users can add books to their wishlist or shopping cart for easy tracking and future purchases.	Medium
7	Read online or	After making a purchase, readers have the option to either read books	Medium

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	Download	directly on the website or download them for offline reading.	
8	Feedback or Reviews	After making a purchase, readers can share feedback and reviews about the books they've read, offering genuine insights for other users.	Medium
9	System management	Books undergo thorough reviews before being featured on the website to guarantee quality and reliability. Additionally, administrators will address any reported issues and fix bugs promptly.	Medium
10	Customize interface	Users have the option to personalize the web interface based on their preferences to enhance their reading experience.	Medium
11	Report issues	Users have the ability to report any problems concerning books or sellers, promoting safety and honesty within the online book community.	Low
12	Expense management	The system enables users to monitor their purchased books and the corresponding expenses, aiding them in effectively managing their reading budget.	Low
13	My profile	This page contains your account information, allowing you to set your avatar, cover photo, and other personal details.	Medium

## 6. Non-Functional Requirements

Priority	Requirement
Stability	<ul style="list-style-type: none"> <li>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 2000</li> <li>Switching time between pages do not exceed 0.5 seconds</li> <li>The design of interface uses pastel tones, with no more than 5 colors on each screen</li> </ul>
Benefit	<ul style="list-style-type: none"> <li>A customer should easily find the right product they need and make a purchase without contacting administrator</li> <li>No multistep checkout: users must reach the “add to cart” button in one step from any pages.</li> </ul>
Effort	<ul style="list-style-type: none"> <li>People can not interact with the website if they do not log in</li> </ul>
Risk	<ul style="list-style-type: none"> <li>Between 6AM and 11PM in anyday, the total system down time should not exceed 5 minutes</li> <li>Between 11PM and 6AM in anyday, the total system down time should not exceed 20 minutes</li> <li>System come back online within 4 seconds after a failure</li> </ul>