BookHouse

Vision Document

Version <1.0>

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| <dd/mmm/yy> | <x.x> | <details> | <name> |
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Vision (Small Project)

# Introduction

*The purpose of this document is to define the main properties of our project such as Positioning, Stakeholder and User Descriptions, Product Feature and non-functional requirements . Through this document, you can imagine the general picture as well as the purpose of our project. This is just the first version of our Vision document, we will modify it to adapt with certain situations in the future.*

# Positioning

## Problem Statement

| The problem of | *The lack of bookstores in some remote regions due to the small number of readers and difficulty in transferring and storing books.* |
| --- | --- |
| affects | *Readers in these regions and the owner of bookstores* |
| the impact of which is | *It is hard for a reader to find the book they want and the owner cannot approach potential customers* |
| a successful solution would be | *Build an online bookstore to make it easier to buy and sell books.* |

## Product Position Statement

| For | *Readers* |
| --- | --- |
| Who | *do not have many opportunities to buy books offline or prefer buying books online.* |
| The (product name) | *online bookstore* |
| That | *allows online books trading* |
| Unlike | *other online bookstore* |
| Our product | *would have a forum for users to discuss about books* |

# Stakeholder and User Descriptions

## Stakeholder Summary

| **Name** | **Description** | **Responsibilities** |
| --- | --- | --- |
| *Publishers* | *The people who market products to consumers.* | *The people take responsibility for the publishing license, compilation and printing process, and social media for the books.* |
| *Store Owner* | *The person who owns the bookstore needs the BookHouse product to import and export books.* | *The person or the family takes responsibility for providing a location, provides a database for developing the product, manages the book transaction and the price.* |
| *Server Hosting* | *Server hosting manages offsite and maintains designated hardware resources for corporate use.* | *The people take responsibility for maintenancing the hardware for providing the server.* |
| *Goods Transshipment* | *Delivery people (post office, Viettel Post, Ahamove, Grab, Gojex …)* | *The third party who is responsible for delivering the goods to the website owner to the customer.* |

## User Summary

| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| --- | --- | --- | --- |
| *Customers* | *Customer Account for viewing, buying and reporting, interact with the administrator through customer service.* | *View, buy the items on the web, supply the trending data for the system to improve AI model.*  *Post review for the item they have used to support the other user.*  *Report for the administrator when stuck on the web failure.* | *None* |
| *Owner* | *Vendor Account for updating the stock of the items, creating new stock the new items, controlling the transaction database.* | *Updating the stock of the items in the store when importing items from the publishers.*  *Creating the new stock for the new items, and providing the short review .*  *Controlling the transaction of the customers.* | *Shopkeeper* |
| *Admin* | *Administrator for customer service, responding to customers' questions, solving the problem of the BookHouse web.* | *Reply the question rapidly and supply the correct information for the customers. Interact with the customers friendly.*  *interacting with the developer of the system to solve the failure when receiving the reports.* | *Bookstore Owner* |

## User Environment

*There are four members in my team to complete the tasks, constantly from the beginning of the project to the end.*

*A task cycle will last in two weeks, containing a planning meeting, a reviewing meeting, 2 supporting meetings. A meeting needs to be provided at least 3 hours, complete mission in a group of 2 members, not intercede to the execution task, observe and support friendly. In the working process, if any team member needs support, the additional meeting will be held.*

*The product will be executed in the format of a web application, and need a web browser to use this application.*

*The system platforms are used as Microsoft Windows, Mac OS, Linux. Only need an Internet connection.*

*Other applications we may use in the project are webflow.com to get the template for the web application, Apache Jmeter to test the system, Trello to organize work space, schedule and task assignment. Slack to interact with the other members.*

## Alternatives and Competition

* Tiki: Optional plastic book covers when a book is delivered. Good review system. Multiple platforms. Many attractive discounts. Slow customer service.
* Amazon: The delivery price to VietNam is too high, and there is a lack of Vietnamese books. It has a huge number of users and an excellent review system. Has many book formats to choose from.
* nhasachphuongnam: Has its own book article website. Many attractive discounts. Too few customer reviews.

# Product Features

| *No.* | *Feature* | *Description* | *Priority* |
| --- | --- | --- | --- |
| 1 | *Login, Sign up* | *The users can log in with a corresponding account.* | *High* |
| 2 | *Searching* | *The customers can search for a certain book with some criterias as name, author, kind of book,...* | *High* |
| 3 | *Classify* | *Classify books based on their category tags and display options on the taskbar.* | *Medium* |
| 4 | *Transaction management* | *The admins can see the statistics and manage the current stock of the store.* | *High* |
| 5 | *Suggesting* | *Display the books that customers focus on based on their viewing history on the home screen.* | *Low* |
| 6 | *Customer service* | *Chat box for customers to contact admins if they have any questions.* | *Low* |
| 7 | *Payment* | *The customers choose one of many payment methods like COD, electronic wallets.* | *High* |
| 8 | *Tracking delivery progress* | *Let customers know where their package is at that moment.* | *Medium* |
| 9 | *Review* | *The customers can review the book that they bought, and see the others review of books before.* | *Medium* |
| 10 | *Ranking* | *Suggest books that were bought and got good reviews from many customers.* | *Low* |
| 11 | *Forum* | *Create forum topics, reply topics, and receive replies from topics you joined.* | *Low* |

# Non-Functional Requirements

* *High reliability, usability.*
* *User friendliness: the website will have Q&A sessions and documents to provide the users enough information they need. Users can also contact the admins if they have more questions.*
* *Scalability: the system can perform well enough even with large amounts of data in the database but may not if there are too many users at the same time (the system will work well enough with around 1 million users at the same time).*
* *Resilience: small failures will just require the users to refresh the site or wait for sometime before continuing using the website. With bigger failures, the website would have enough features for users to get information of how the failure affected them and can contact the admin if needed.*
* *Performance: the response time would not be over 10 seconds if there are no failures during execution.*