BookLeaf

Vision Document

Version <1.0>

Revision History

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Vision (Small Project)

# Introduction

* These days, owning physical books can prove itself to be a daunting task (ie. Taking care, preserving, storage place, etc.). Because of that, the demand for digital (or e-books) are becoming more and more popular and necessary for all demographics.
* BookLeaf, an online website dedicated to e-books, meanwhile still keeps the experience realistic to that of reading a real book. For example, highlighting interesting/important parts, comments, user’s thoughts, set reading goals, etc. as well as still providing basic needs like upload (.pdf), download, add to personal library, share,.... and more.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | owning physical books, as well as maintaining a library |
| affects | teachers, students, book-lovers and online library managers. |
| the impact of which is | tremendous, affecting our users’ methods of storing, accessing and maintaining an e-library |
| a successful solution would be | allowing users to upload, download unimpededly books, essays and publications. Also, allowing users to edit, as well as highlight the materials. |

## Product Position Statement

|  |  |
| --- | --- |
| For | everyone, especially those who love reading books. |
| Who | is looking for a community driven books sharing platform |
| The BookLeaf | is an e-book reader |
| That | is a cross-platform application; helps users to store their books, manage their reading process, highlight things,... within a reasonable price. |
| Unlike | Kindle (expensive, not available on website), Google Playbook (only mobile app, no realistic book reading experiences), Wattpad,... |
| Our product | is reasonably priced, user-friendly, convenient. |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| 1. Team members. 2. Course teacher. | 1. Developers and designers. 2. Supervisory project role. | 1. Team members:   Ensure that the system is working normally, not riddled with bugs and is maintainable.  Ensure that the system meets the demand of the targeted demographic and market.   1. Course Teacher:   Closely monitors the progress, process of the project.  Make remarks (approval or disapproval) of certain project’s mechanism (copyright infringement, privacy infringement, etc.) |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| 1. Students 2. Freelance authors 3. Book lovers | 1. Low budget, free users. 2. Aspiring authors who want to share their works. 3. General readers. | * Report bugs. * Share works, personalize reading experiences, and engage in quality control. * Product Quality control (tagging, content, etc.). * Personalize reading experience, share thoughts, and contribute to content quality. | * Team members |

## User Environment

* **Team size:** Varied user base from individuals to larger groups, with possible changes in user engagement levels.
* **Task Cycle:** Flexible, with reading sessions lasting anywhere from minutes to hours.
* **Platforms:** Web and mobile for easy access across devices.
* **Integration Requirements:** Potential for cross-compatibility with common file formats like PDF and EPUB.

## Alternatives and Competition

* Competitors: Kindle and Google Play Book.
* Major strengths:
  + Consistent and friendly UX.
  + Google Play Book provides live editing tools while users are reading a book (font change, highlight, etc.)
* Major weakness:
  + App-based.
  + Can be costly (Subscription or pricing on products, etc.)
  + Limited file format: Kindle only allow .epub
* Alternatives are Apple Kindle, Google Play Book, Wattpad.

# Product Features

|  |  |  |  |
| --- | --- | --- | --- |
| *No.* | *Feature* | *Description* | *Priority* |
| 1 | Upload PDF | Upload books/articles/publications/personal works in the form of PDFs. | High |
| 2 | Upload EPUB | Upload books in their original and most used format. | High |
| 3 | Personal shelf | Allow verified users to create their own ebook library(s), add & remove their collection of books, either private or public them for forum usage. | High |
| 4 | Download | Download books in the formats of either PDF or EPUB | Medium |
| 5 | E-books manipulation | Users are able to draw highlight(s) on books, add comment(s), make bookmark(s) according to their own needs as well as sharing their notes to others. | Medium |
| 6 | Set deadlines/goals | Make personal deadlines/goals on your book reading experience (Chapter checkpoint, etc.) | Low |

# Non-Functional Requirements

* **Performance:** Must be fast and responsive on both web and mobile devices, with minimal lag in loading and switching between pages.
* **Robustness:** Capable of handling high user volumes with low error rates.
* **Usability:** User-friendly, intuitive interface with easy navigation.
* **Security:** Compliance with privacy standards, especially regarding copyrighted content.