BOOK SELLING AND RENTING ANDROID APPLICATION

**Chapter 1**

1.1Background

Today technology has completely changed people's way of shopping. The smallest necessity as well as the biggest luxury is delivered to the door step. People find it really convenient to place order on their fingertips anytime, anywhere using Ecommerce. There are many applications available on the internet where users can buy, sell and rent books.

Also there are applications where we can read books online.

Existing application for buying selling and renting books:

>>AMAZON

>>OLX

>>INDIABOOKSTORE

>>FLIPKART

Existing applications for reading books online:

>>WATTAPAD

>>KINDLE

>>GOOGLE PLAY BOOKS

>>GOODREADS

The list is endless

But many readers still prefer buying the book or getting them issued from library because there they can check quality by themselves and then there is no risk of getting wrong product delivered. This demands dominates the limitations like limited stock availability, finding the store and sometimes not getting a book even after traveling the store.

1.2Purpose

>>applications which already exists on internet just give a user a desired book to purchase online and get it delivered to the doorstep. The books only piles up at user side.

>>Many applications which already exists doesn’t give platform to resell the books or give it on rent.

>>This application will give user all the facilities under one single android application.

>>This application have a friendly interface to deal with the customer of every age group.

1.3 objectives

* The main objective of the application is to avoid the books to be stacked at home to scrap dealer.
* The application provides sellers a platform to interact with the buyers directly.
* The objective is to make it easy for the readers to buy, sell and rent books.
* No going outside physically and search for books.
* The seller will upload the information about the book, whether he/she wants sell the book or give it on rent.

1.4 Scope of the project

1.4.1 DELIVERABLES

* User Registration: The application allows users to register their account using few details. The users will be able to use the facilities only after registration.
* Guest User Mode: If any user who have not register themself can only view the list of books. But they cannot place an order and so on.
* User Login: A user already registered can login into his/her account using valid credentials like email id and password.
* Sell Books: The users can add the books that they want to sell using this application. The books can be new or used as well.
* Buy Books: The user can search for the books that they want to read on rent or interested in buying them. The selected books would be added the in cart. Once the order for the books get confirmed they are dispatched.
* Rent Books: The user can take the books on rent as well for the number of days.
* Read Online: The user can read online a variety of book which they can carry anywhere using this facility.

1.4.2 Stakeholders

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* Users interested in reading
* A Book Seller who are will to sell or rent their books which they have read
* Buyers fond of reading books and collecting them

1.4.4 Exclusions

-> We are not including feature of Add to Wishlist

-> Its does not have intelligent feature that would suggest books to the users on the bases of their last book genre they have read

-> Books Review by the users who had read books to the future readers

1.5Applicability

* This Application would help the sellers to upload the details of the books they have read and are interest in selling or rent those books.
* Similarly the buyer can buy the books they want to read or else rent them as the cost per month.
* This could take the exchange of books to a online platform.
* Also the online reading of books can attract user fond of reading while travelling without a physical availability of book.
* The books would be cheaper in rate since many profit consumer of business cycle are cut off

**Chapter 2**

survey of technologies

1.AUDIBLE:

Audible is the best book reading app by Amazon, available in an audio format. The audio-only format is the newest addition to the book reading apps and is set to give a good competition to the traditional reading apps.

Audible supports millions of books that can be heard in various bot voices. The app also keeps you updated with news articles from the Wall Street Journal, Washington Post, and the New York Times.

Unique Features:

* Download and listen option for offline access
* Manage your library with titles even after you cancel
* Swap option for exchanging audiobooks
* Can set a sleep timer to stop listening
* Audible Daily Deals for affordable book pricing
* Wide varieties of narrators available

What could be done better?

* Price of subscription should be lowered
* UI should be improved.

2.OverDrive

An offering of American’s bookseller, Barnes & Nobles, Nook offers a digital reading experience that counts. The mobile book app supports an online repository of over four million e-books across several genres (fiction + non-fiction), magazines, comics, and graphic novels.

Unique Features:

* In-built recommendation system for the book reader app
* Choice over multiple fonts and page styles
* Social sharing option available
* Synchronization across devices
* Read and record function for virtually reading stories to kids
* Can add bookmarks, highlights, and notes
* Can organize your personal library under categories

What could be done better?

* Audio books often have choppy audio.
* While searching for my library, we need to put login credentials every time.
* It cannot handle more than one audiobook at a time.

Technology:

Chapter 3

**Requirements and Analysis**

**3.1 Problem Definition**

* + 1. Existing system problems
* Visiting many stores to get the book you want.
* You need to buy the book.
* Existing applications have distributed facilities.
  + Visiting many stores to get the book you want: The users may not visit a number of stores to find the book. They can search the book easily on the application.
  + You need to buy the book: The book stores sell the books permanently. The concept of getting the books on rent online is exclusively on our app.
  + Existing applications have distributed facilities: The existing applications allow you to either buy or sell books or read it online respectively. But app the facilities of buying, selling and renting of books in a single android application.
  1. **required specification**
     1. Functional Requirement

The Software will have the following functional requirements :

* Function of the Software :
* Register account
* Login with valid credentials
* Delete account
* Seller Functionality:
* Add, remove books.
* View orders.
* View delivery status of orders.
* Buyer Functionality:
* View books.
* Add to cart.
* Place order.
* Pay online.
* View orders.
* Check delivery status.
* Read books online.
  + 1. Non-Functional Requirement:

Performance requirements:

* + - The system needs to be reliable.
    - If unable to process the request then appropriate error message should be displayed.
    - Requests are processed within few seconds.
    - Redirecting should be fluently.

Safety requirements:

* The details need to be maintained properly.
* User must be authenticated.

Security requirements:

* After entering the password and user id the user can access his profile.

**3.3s/w and h/w specification**

Software Requirements:

• Android OS 4.0 and above

• MySQL

• Android studio

Hardware Components:

• Minimum 1 GHz processor on the mobile device.

• Minimum Memory – 4 GB RAM

• Android device

**3.4 planning and scheduling**

GANTT CHART: