REQUIREMENTS – Software Engg. Project

Online Book Sales System

**Problem Statement:**

In this project, we aim to implement a computer based ‘**Online Book Sales System**’ which includes the sale and rental of both, hard and soft copies of various books.

**Background Information:**

The system will act as an online ‘Crosswords’ of sorts, where users can browse, purchase and read books. In addition, the user can rent books which incorporates the features of a library into the store, creating a whole new system.

**Users of the system:**

* Libraries at schools and colleges as corporate users.
* Individual customers as retail clients.
* Non-members that just browse the books.
* Administrator

**Other similar systems:**

There are online book stores but none currently offering the wide range of feature that we aim to implement here, including and especially the book renting service that we aim to provide.

The first and foremost limitation of the current systems is the usability over multiple platforms. We aim to make it a very customer friendly process – not only over the internet on use in the PCs, but over mobile phones as well. Not only can the user visit our website, we have an automated SMS system in place for alerts to be sent to the mobile phones as well. All of this, in accordance with the user’s preferences and search history.

Also, as mentioned above, another limitation is the non-existence of the book renting service at other stores.

**Stakeholders:**

* Sellers
* Customers
* Delivery team
* Customer Service team
* Partnered libraries acting as suppliers for rented books

**Requirements:**

1. Functional Requirements:

* Acquisition, distribution and management of books
* Automated SMS system to inform the user about the availability, price and method of purchase.
* Logistics and customer service system integrated into the whole system for real time solutions and region based support.
* Search of books, eBooks and nearest available supplier (libraries) with the required rental book.
* Prevention of redundancy and inconsistency is customer usage history.

1. Non-functional requirements:

* Confidentiality of customer records.
* Secure access of confidential data. For e.g. eBook only for view – not download.
* Design of the system to get better results in terms of speed, observable at run-time.
* System should be easy to maintain and robust in its design.
* Design should allow better results at peak time.
* The design should make the system user-friendly and aesthetically appealing which further enhances usability.

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