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Documentation On

**“SECOND HAND BOOK SELLING AND BUYING ONLINE
PORTAL”**

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Project Guide

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2.Introduction

Now a day's second hand book market is mostly handled by small vendors only and students don't have many options regarding second hands books buying or selling. Second hands book store is a platform for students to share their books with their juniors here they can upload set of books that they have and found buyer through this project both buyers and sellers will get benefit because they need not to deal with third party that is vendors. In this project we are designing web page , on this web page we are providing option through which user can sign up and he will get username and password. The book set uplodged by seller will be visible to all.

Problem Statement:

Existing system is based on traditional approach, customer needs to go directly to the merchant and purchase the used books, which was a time consuming job. Offline stores are restricted by time, and they charge a lot money for their books .There might be possibility of not having wide collection of books.Hence this system is proposed to overcome the flaws of the existing system and giving a wide collection of books at sutable prices easily.

Product Scope:

This project traverses a lot of areas ranging from business concept to computing field, and required to perform several researches to be able to achieve the project objectives. The area covers include:

- J2EE Technology used for the development of the application.
- Students as well as general customers will be able to use the system effectively.
- Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal.

Aim & Objective

Specific goals are:-

To produce a web based system that allow the admin to add customers and provide functionalities to its role.

The major goal of e-second book shop is that in future people, especially students should have an easy way to buy and sell secondhand books online. The users will be able to carry out these in a secured and managed environment.

The secondhand book -eBook shop shall be easy to navigate and user friendly and easy to find books in various categories.

Overall Description

Product Perspective:

Existing System Function:

There are many existing websites, on the web that provides services on secondhand books. My goal is to provide a better, faster and user friendly website with services that other might be lacking.

Proposed System

This online book portal provides facilities to access the book system from anywhere. The customer has just to visit the site and purchase the used book according to their requirement instead of going out to a book store and wasting time and this transaction is done through a common network.

Benefits of SecondHand book buying and selling online portal:

- This online book portal is fully functional and flexible.
- It is easy to use.
- It saves a lot of time, money, labour.
- Eco-friendly: The monitoring of the online secondhand book system and the overall business becomes very easy and includes the least of paper work.
- The application acts as an office that is open 24/7.
- It increases the efficiency of the system at offering quality services to the customers.
- It provides custom features development and support with application.

Users and Characteristics:

Admin:

- Admin can login to the system.

- View the list of all Customers.
- Add new Customer.
- Delete Customer.
- Update Customer.
- Add Book.
- Update Book.
- Delete Book.

Customer:

- Customer can login to the system.
- View his/her details.
- View notices.
- Generate complaints.
- Update their personal credentials.

Operating Environment:

Server Side:

Processor: Intel® Xeon® processor 3500 series

HDD: Minimum 500GB Disk Space

RAM: Minimum 2GB

OS: Windows 8.1, Linux 6

Database: MySQL

Client Side (minimum requirement):

Processor: Intel Dual Core

HDD: Minimum 80GB Disk Space

RAM: Minimum 1GB

OS: Windows 7, Linux

Design and Implementation Constraints:

- HTTP and FTP protocols are used as communication protocols. FTP is used to upload the web application in live domain and the client can access it via HTTP protocol.
- Several types of validations make this web application a secured one.
- Since secondhand book selling and buying online portal is a web-based application, internet connection must be established.
- The online book portal will be used on PCs and will function via internet or intranet in any web browser.

Specific Requirement

External Interface Requirements:

User Interfaces:

- All the users will see the same when they enter in this website. This page asks the users a username and a password.
- After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.
- The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standered interface, to eliminate need for user training of infrequent users.

Hardware Interfaces:

- No extra hardware interfaces are needed.
- The system will use the standered hardware and data communication resources.
- This includes but not limited to, general network connection at the server/hosting site, network server and network management tools.

OS: Windows 7

Browser:

The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

Communication Interfaces:

- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP Network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

Use case Diagram:

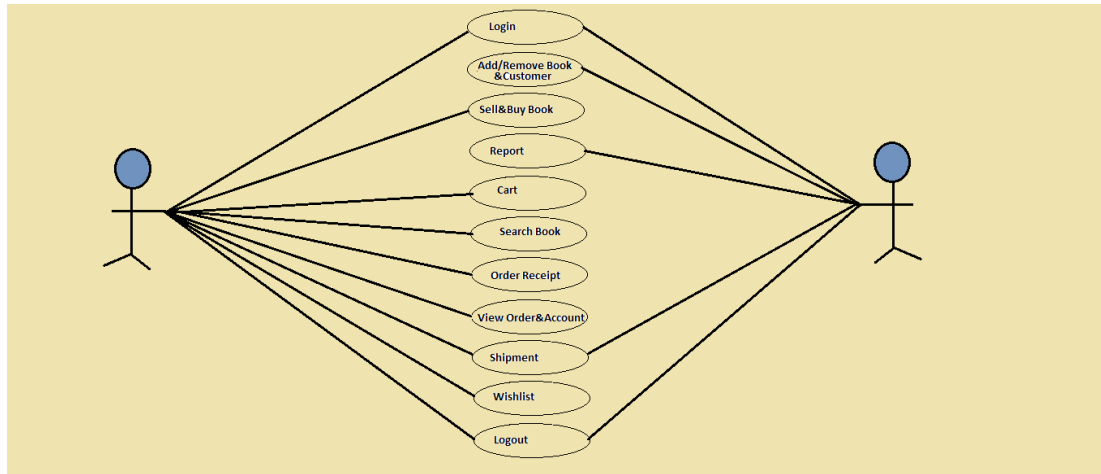


Figure 1:user case Diagram

ER Diagram:

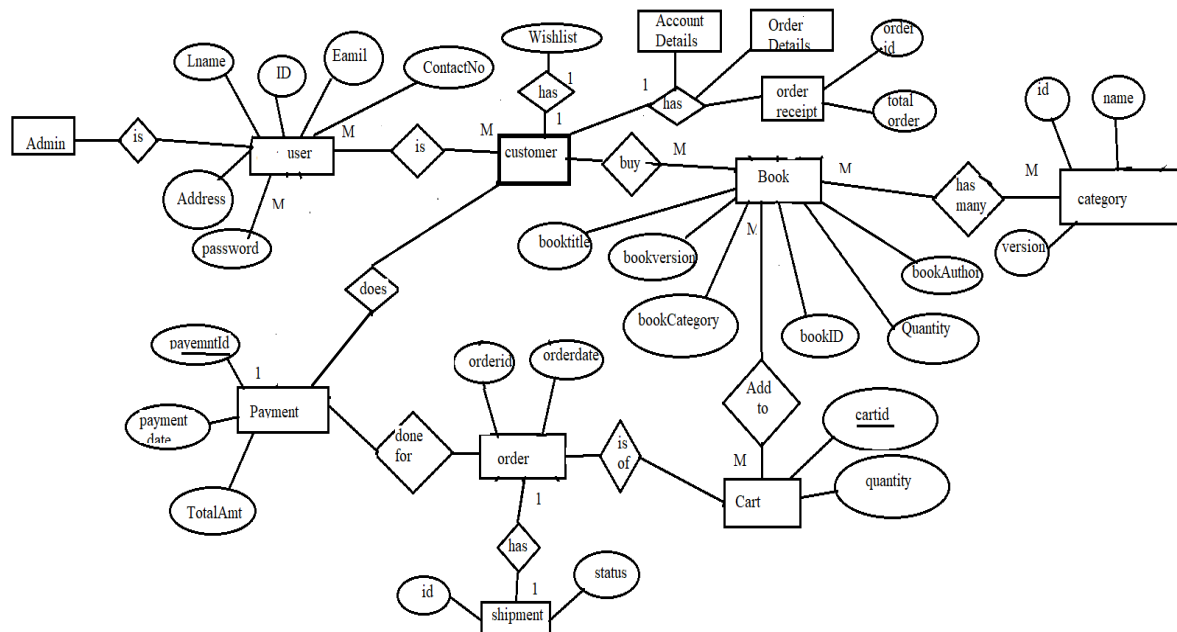


Figure 2:ER Diagram

Table Structure:

```
mysql> desc cart;
```

Field	Type	Null	Key	Default	Extra
c_id	int	NO	PRI	NULL	auto_increment
b_id	int	NO		NULL	
name	varchar(30)	YES		NULL	
price	double	NO		NULL	
userId_id	int	YES	MUL	NULL	
uid	int	NO		NULL	

6 rows in set (0.01 sec)

```
mysql> desc user;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	auto_increment
Name	varchar(20)	YES		NULL	
Email	varchar(20)	YES	UNI	NULL	
Password	varchar(20)	YES		NULL	
City	varchar(20)	YES		NULL	
ContactNo	varchar(10)	YES	UNI	NULL	
Role	varchar(10)	YES		NULL	
cartid_c_id	int	YES	MUL	NULL	

8 rows in set (0.01 sec)

```
mysql> desc book;
```

Field	Type	Null	Key	Default	Extra
b_id	int	NO	PRI	NULL	auto_increment
author	varchar(30)	YES		NULL	
name	varchar(30)	YES		NULL	
price	double	NO		NULL	
stream	varchar(30)	YES		NULL	
year	varchar(30)	YES		NULL	

6 rows in set (0.01 sec)

Conclusion:

Hence we developed an online book portal , through which student can exchange,buy,sell their books. An interactive user friendly and focused website in the form of online shop can generate good business .

Future Scope:

The software is flexible enough to be modified and implemented as per future requirements. We have tried our best to present this free and user friendly website to all customers. This project can be enhanced further by adding meassage alerts for various activities can be added to the system so that user do not miss the updates.

References:

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- [3] Talla Ngala Yiga, Design and Implementation of a Secondhand E-bookshop

