**Mini Project**

**On**

**“Online**

**Book Store**

**Management System”**

**Submitted by –**

**Name: Gadekar Om Jairam**

**Roll No: 25**

**Class: SYBCA**

**Introduction:**

My objective is to design an application using which one can get over the hassle of physically going to the book store waiting in lines and get back empty handed if the desired book is not available. Online shopping has unlocked limitless possibilities and user can get whatever they want check the availability and get it delivered to their homes with just a few taps on a Smartphone anytime they want regardless of time or day, 24/7.

My main aim is to design such a bookstore where customers can visit any time of the day from anywhere to view the available books, choose any of them and order by paying online or can opt for cash on delivery. The admin can regularly add new books to sell on the application, the admin can process the orders and get the ordered book delivered to the customer straight from the vendors or publisher. In conclusion, the application is designed to save users and seller time and money by making the entire process fast and efficient.

**Problem Description:**

1. Online Book store is a specific requirement of the client that integrates the buying and selling services specifically to their customers.
2. Generating reports takes a long amount of time and lots of manual labor, all of that can be reduced with the help of an online system.
3. Details of the buyers and their order history can be stored in a same online database so that it doesn’t get damaged or misplaced because of human error.
4. Allows users to get registered from their places and transact for the required product.
5. To overcome these problems we develop “**Online Book Store**”.

**STUDY OF EXISTING SYSTEM:**

* Currently the system used for book store management is mostly manual, time consuming and very inefficient.
* Customer always prefers a place which can provide him fast services, and due to current book store management systems the process of buying books is very slow and time consuming.
* The process of keeping up with all the records and information of the number of books available is complex and there is a very high chance of human error in the entire process.
* Sellers are greeted with limited number of opportunities as their target customers are only from that particular area or city, they are missing out the chance of being able to sell all over the country.

**DRAWBACKS OF EXISTING SYSTEM:**

1. Manual work not automation to ease the process.
2. Chances of Human error.
3. Slow processing times.
4. Inefficient time and resources management.
5. Keeping up with all the stock information and bills is complex, and can introduce errors.
6. Customers have to go to the shops to buy the books they want.
7. Sellers are bound to limited number of opportunities.
8. In case of a major problem there is no redundancy of the data all the data will be lost.

**Proposed System:**

* Provide a web user interface to add, view and delete records in different areas.
* Provide a user interface to enter computer details.
* Provide a user interface to change the details of all the computers and accessories.
* Provide a user interface for users to explore the store and choose items to buy.

**Scope of Proposed System:**

The main scope and deliverables of the project would be to:

* Understand and prepare detailed requirement and specification
* Prepare high level and detailed design specification of the system
* Developing the system.

**Hardware/Software Requirements:**

**Hardware:**

Hardware requirements are as follows:

Processor:- Pentium I or Above.

Ram:- 2GB or above.

Hard Drive:- 20GB or above

**Software:**

Software requirements are as following:

Front end – HTML/PHP

Back end – MYSQL

**Entity Relationship Diagram (ERD):**

ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity Relationship Diagram which is used to visually represent data objects.

**Entities:**

Entities are the principal data object about which information is to be collected. Entities are classified as independent or dependent.

**Relationships:**

A Relationship represents an association between two or more entities.

**Attributes:**

Attributes describe the entity which they are associated with. A particular instance of an attribute is a value.

**ER DIAGRAM:**





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**DATA FLOW DIAGRAM (DFD):**

Level 0 and 1st Level:

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**TABLES:**

User Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| U\_id | Int | 4 | No | PK |
| U\_fnm | varchar | 35 | No |  |
| U\_unm | varchar | 25 | No |  |
| U\_pwd | varchar | 20 | No |  |
| U\_gender | varchar | 7 | No |  |
| U\_email | varchar | 35 | No |  |
| U\_contact | varchar | 12 | No |  |
| U\_city | varchar | 20 | No |  |

Category Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| Cat\_id | Int | 4 | No | PK |
| Cat\_nm | varchar | 30 | No |  |

Sub Category Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| Subcat\_id | Int | 4 | No | PK |
| Parent\_id | Int | 4 | No |  |
| Subcat\_nm | Varchar | 35 | No |  |

Contact Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| Con\_id | Int | 4 | No | PK |
| Con\_nm | Varchar | 40 | No |  |
| Con\_email | Varchar | 40 | No |  |
| Con\_query | Longtext | 0 | No |  |

Book Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| B\_id | Int | 4 | No | PK |
| B\_nm | Varchar | 60 | No |  |
| B\_subcat | Varchar | 25 | No |  |
| B\_desc | Longtext | 0 | No |  |
| B\_publisher | Varchar | 40 | No |  |
| B\_edition | Varchar | 20 | No |  |
| B\_isbn | Varchar | 10 | No |  |
| B\_page | Int | 5 | No |  |
| B\_price | Int | 5 | No |  |
| B\_img | Longtext | 0 | No |  |
| B\_pdf | Longtext | 0 | No |  |

Cart Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| Cart\_id | Int | 4 | No | PK |
| User\_nm | Varchar | 20 | No |  |
| Book\_id | Varchar | 10 | No | PK |
| Book\_name | varchar | 25 | No |  |
| Qty | Int | 4 | No |  |
| Amount | Float |  | No |  |

Checkout Table:

| **Field Name** | **Data Type** | **Size** | **Allow Null** | **Constraints** |
| --- | --- | --- | --- | --- |
| Order\_id | Int | 4 | No | PK |
| Cart\_id | Varchar | 60 | No |  |
| Order\_date | Datetime |  | No |  |
| Total\_amt | Float | 0 | No |  |

**Conclusion:**

After implementing the application it will continue the advantages were incomparable to the present contemporary systems used by the company. The most admirable feature founded was its simplicity in terms of application to the user but its highly beneficial output can’t be ignored. The users will highly benefit after using the system.

It is hoped that this project will help the future development to modify and improve. The project will be very useful for the user.

References:

* [www.google.com](http://www.google.com)
* En.wikipedia.com
* Database Management Systems - II