**Library Management System**

**Project idea:**

The Library Management System may work as follows: The system should serve its registered customers by introducing as many books as it can. The system works in providing books for sale and the customer can choose more than one book to add it in his cart. The customer register an account to receive an invoice when purchasing. The Admin gets a sales report and he can control and modify the system.

**Main functionalities:**

**Admin :**

* Add, update, and delete the library books.
* See the library books and all transactions that have been made by the customers.

**Client :**

* Login throw the system end change passwords.
* looking for a book.
* buying a book.
* Add to cart.

**Similar applications in the market:**

* wiley online library ([http://onlinelibrary.wiley.com](http://onlinelibrary.wiley.com/)).
* The online library (<http://onlinelibrary.london.ac.uk/>).

**Function requirement:**

1. **Admin functions**

* Add\_book : in this module we can store details of the book.
* Update\_Books and Delete\_Books : modifying the books.
* List\_Books : get all the booksbooks.

1. **Customer functions**

* Buy (add to cart)
* Register \_Client :in this module we can keep the details of the new Client.
* Book \_Search : to find the book that the people need .

1. **Managements**

* Calculate\_price: calculate total price.

**Non-function requirement :**

•Data Backup: The database may get crashed or operating system failure, so we ensure backups.

•Data security: All of the informations are in a safe place.

•Validation: All the data should be Validated by its gobal format.

**Languages used:**

• PHP

• HTML

• CSS

• Laravel

• SQL

• JavaScript