



## **Council for Technical Education and Vocational Training**

### **Minor Project on Home Library Management System (HLMS)**

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## **Abstract**

This project is an Web based application that can be accessed only by the device owner. This system can view entered books, find out who has been given a particular book. This is one system that helps a person with a small personal library, keep track of their books.

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## **1.Introduction**

The project "**Home Library Management System**" is a Library management web application for monitoring and managing the data of and about the Books.

The project "**Home Library Management System**" is developed using HTML/CSS and PHP and it mainly focuses on basic operations like adding new books to the database, updating the lending situation and searching for books.

"**Home Library Management System**" is a web application written using the VS code IDE, designed to help users maintain the library in their Home. Our system is very easy to use for users. It feature simple and well thought out user interface.

## **2.Background**

A review of literature reveals that not much have been made for a library management of Home Library. There are some apps like 'Goodreads' that can help you with what you have read and want or are reading. There is also a website called 'Librarika' which is a free integrated library system which allows you to create your own library management system but it is for a professional use and not so much for a personal use. But at the end there are no more systems made for Home Library.

## **3.Objectives**

The Basic objectives of this proposal are listed below

1. To enter book data.
2. To search for book.
3. To update if a book has been lent.
4. To check if the book is lent.

## **4.Project Approach**

Computer security Computer security, also known as IT security, It is the protection of computer systems from being theft or damage that may happen to hardware, software or the information contained. Computer security protects computer system against any attack that may come from Internet. One of the most dangerous attacks is malware.

## **5.Benefits of Project**

The basics benefit of out project and this system is given below

- 1.User friendly interface.
- 2.Fast access to database.
- 3.Less error.
- 4.Search facility
- 5.All the manual difficulties in managing the Library have been rectified by implementing computerized.

## **6.Resource Requirements**

The different resources are classified in this project. The classified requirement for this project is given below.

### **6.1 Hardware requirement**

- PC with processor that can handle Browser
- Monitor
- Keyboard
- Mouse
- Hard Disk

## 6.2 Software Requirement

- HTML,CSS & PHP supporting web browser.
- Windows 7/8/20/11, Linux os, etc.
- XAMPP with MySQL.
- VS code IDE.

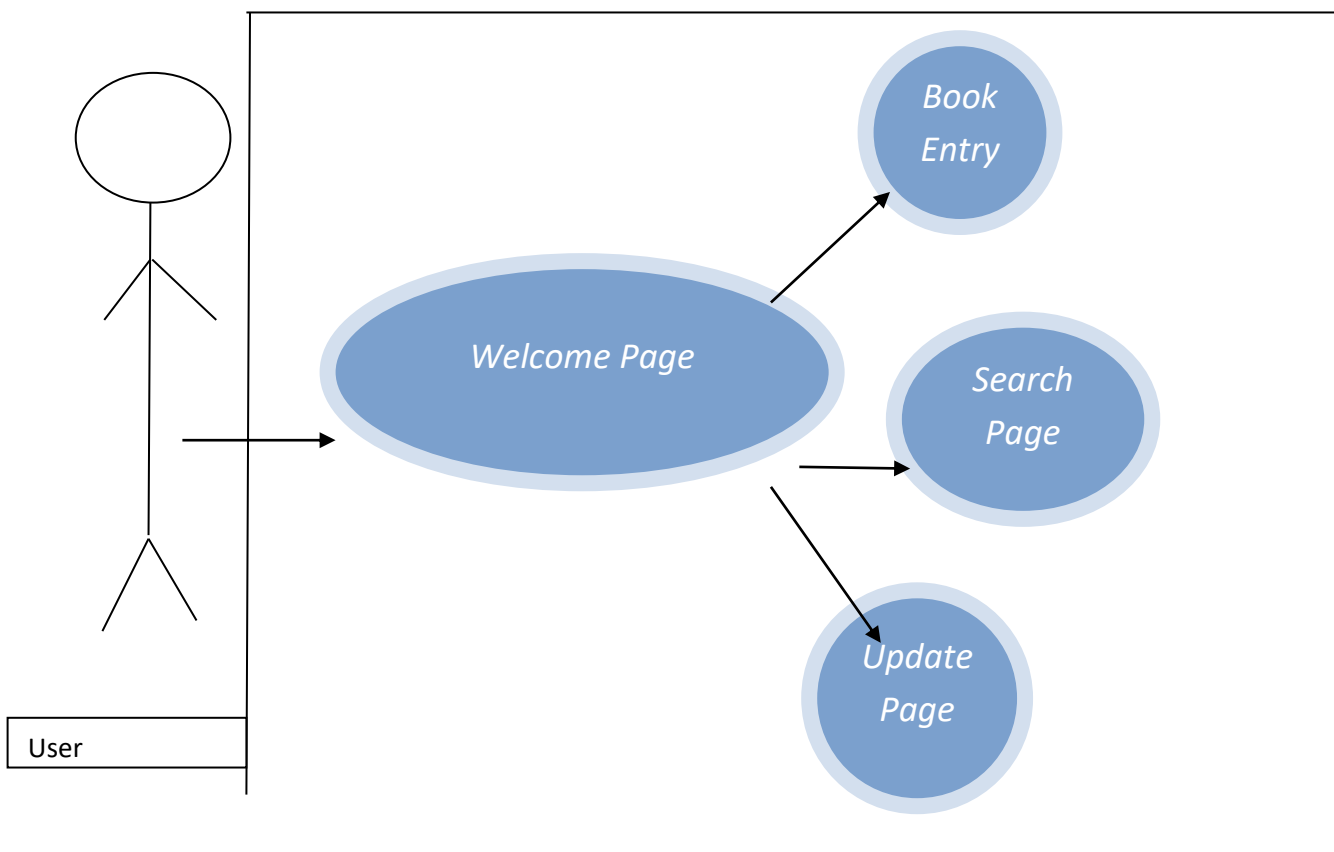


Fig1.1 use case diagram

## **8.Conclusion**

The Home Library Management System needs to be computerized to increase the efficiency. The proposed Library management system in this proposal will be a computerized management system developed to make the library more managed. It is designed to store all the information about books.

The main focus of this project is to encourage efficient record keeping.

Though we are making a web application, we can later take this project as a base for making a software with even more features.