

Requirements

Introduction

- Library is place where we see collections of books of different genre like history,dictionary,novels,technology and others.
- Library is located everywhere in: Public,Colleges,home(Personal library).
- This project is chosen as I visit library on daily basis and using C programming helps me to understand the working operations of library internally.

Research

Library Management System

As the name itself says System which means systematic set of things and procedures. In the case of a library management system, the parts work together to support the management of library information resources..It is a collection of books of different genre which is accessible to everyone.Library make space for everyone to study,which is a general body maintained by government,institution or an individual.

Cost and Features

If Indian App firm is chosen to create a Library Management System then the cost can range between \$25000-\$35000. This estimate is when the system is being developed with basic features and for a single platform.

Defining Our System

Explanation

SWOT ANALYSIS

Strengths

- Curiosity and need to learn
- Respected and valued by users
- Collections
- Drive to understand the perspective of user

Weaknesses

- Lack of funding
- Prioritization

Opportunities

- Chance to advocate for digital privacy
- More inter-sectoral collaboration

Threats

- Lack of strong professional body
- Replacement of staff by automated services

4W's and 1'H

Why

- Helps to maintain the information of the book

What

- To implement system to add,search,view and update books record

When

- To reduce the manual work and save time

Where

- At a place where there is a collection of different things in one place

How

- To build a system with all features required

Detail requirements

High Level Requirements

ID	Description	Category	Status
HR01	User shall be able to login to the system(using pin)	Technical	IMPLEMENTED
HR02	User shall be able to add new book information	Technical	IMPLEMENTED
HR03	User shall be able to search a book record	Technical	IMPLEMENTED
HR04	User shall be able to display book records	Technical	IMPLEMENTED
HR05	User shall be able to edit/update a book record	Technical	IMPLEMENTED
HR06	User shall be able to count of book for required department	Technical	IMPLEMENTED

Low level Requirements

ID	Description	HLR ID	Status (Implemented/Future)
LR01	Pin should match with default(3 attempts) else exit from the system.	HR01	IMPLEMENTED
LR02	(1). New record shall be added by providing all the asked information (2). Book_Id should be unique else book should not be accepted.	HR02	IMPLEMENTED

ID	Description	HLR ID	Status (Implemented/Future)
LR03	If user searches for an invalid Book "No Record Found" message should be displayed	HR03	IMPLEMENTED
LR04	User need to enter id for the book record to be updated, if no such record is available then "No Record Found" Message should be displayed	HR03	IMPLEMENTED
LR05	User shall be able to provide the count of books for required catagory	HR06	IMPLEMENTED