Computer Practical Project 2021

- by Saksham Sharma
- on September 23, 2021

rview Objective Features Future Prospects Resource

Overview

Objective

Features

- * Main system
- * Book
- * Admir
- * Client / Students
- * Day-to-Day
- * Category, Publisher, Author

Future Prospects

Resources

Requirements

QtDesigner

Python Dependencies

* Icon Manipulation:

view **Objective** Features Future Prospects Resourc

Overview

Following is a document listing the features of a Library Management System that was built after being frustrated by the manual handling of data at the local library. The features include a system to manage a database of books, Admins and Clients, and the ability to modify, sort and export relevant data. The document also includes basic instructions if one wants to modify the program

Objective

To Build a Library management system that is easy to use and provides a hassle free experience

- * Built with Python and QT Framework
- * MySQL Database Hosted on Azure

rview Objective **Features** Future Prospects Resource

Features

Main system

- * Login Page
- * Users
- * Add Users (Signup)
- * Add a Book
- * Edit Book Info
- * Delete Book
- * Categories
- * Settings [Categs, Author, Publisher]
- * Day To Day Transaction Log
- * Reports [Excel Files]

Book

- * Title
- * ISBN Code
- * Description
- * Category
- * Price

rview Objective Features **Future Prospects** Resource:

- * Author
- * Publisher

Admin

- * User Name
- * Password
- * Email Id

Client / Students

- * Username
- * Student ID
- * Email ID

Day-to-Day

- * Book name
- * Type (Issue / Return)
- * Duration (weeks)

Category, Publisher, Author

* Names

ew Objective Features Future Prospects **Resource**:

* List

Future Prospects

- * WebApp
- * Integrate barcode scanning
- Ability to select local or cloud database

Resources

Requirements

If you want to edit the .ui files ie the actual LOOK or LAYOUT

- * Install on Windows (Link)
- * Install on Mac (Link)

Installing on Linux (Debian and Fedora)

sudo apt-get install qttools5-dev-tools qttools5-dev sudo dnf install qttools5-dev-tools qttools5-dev view Objective Features Future Prosperts **Resources**

To install python dependencies use the requirements.txt file with python pip

Icon Manipulation:

Follow these steps to change hte programs icons

1. Keep the same name (for ease)

In the folder, open terminal and run the following code

pyrcc5 icons.grc -o icons_rc.py