# **SLTC re:Start Bootcamp**

# **Final Assignment (Group project)**

# Project name: Library system for a small school

# Team members:

|  |  |
| --- | --- |
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# GitHub URL: <https://github.com/BootcampProgram/LibraryManagementSystem>

# Demo URL (if available):

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# Technical documentation

## Introduction

Library Management System is an application which refers to library systems which are generally small or medium in size. It is used by librarian to manage the library using a computerized system where he/she can record various transactions like issue of books, return of books, addition of new books, addition of new students etc.

Books and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description about the books a library contains. With this computerized system there will be no loss of book record or member record which generally happens when a non-computerized system is used.

In addition, report module is also included in Library Management System. If user’s position is admin, the user is able to generate different kinds of reports like lists of students registered, list of books, issue and return reports.

All these modules are able to help librarian to manage the library with more convenience and in more efficient way as compared to library systems which are not computerized.

The project Library Management System aims at developing a fully functional computerized system to maintain all the day to day activity of a library. The main aim of this project is providing an easy to handle and automated Library Management System,

This project also provides features and interfaces for maintaining librarian’s record, student’s record, student’s history of issue and return, reservations etc. The librarian can create, view, update and delete book details. And also he can issue the books to the students and maintain their records. In this project we can maintain the late fine of students who returns the issued books after the due date.

This system allows the students to view the book details, reserve books, and add books to wishlist.

## Navigation map

## Sample UI

## Database relationship (ER) diagram

## Business logic

## Final screenshots