

# COURSE PROJECT

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Title:

“LIBRARY  
MANAGEMENT  
SYSTEM”

## ■ INTRODUCTION:

This project is aimed to make a usable library management system. This project has willed me to learn and explore Web Development using HTML, CSS and Route Management of a webpage using Flask. The project consists of 5 HTML files, 3 CSV files and one Python file.

## ■ METHODOLOGY:

**STEP-1:** The first step required me to **Identify the Core Features** of such a webapp. The features I identified to be the most important and necessary were:

1. Handling Book issue and return transactions.
2. Adding and deleting Books
3. Editing the book info
4. Adding and deleting members
5. Editing the member info
6. Providing a simple interface with admin authentication using username and password.

**STEP-2:** The second step was **Identifying the Prerequisites** of completing this project which were:

1. Basic python programming
2. @app.route in Flask
3. HTML (with Jinja)
4. CSS
5. A little bit of JavaScript and DOM for Modal Handling.

**STEP-3:** The third step was to **Start Coding**. I have used CSV files to store data for the members, books and admins. At the very basic and crude level, I have just given the admin a way to edit those files and helped in managing that database. This management system enables us to perform CRUD operations on the two databases “members.csv” and “books.csv”. I have used Jinja to show the information from the databases in the HTML files.

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**Overall, this project took me 10 days with 1.5 hours of work every day. I feel satisfied with the work I have done as I have now learned some new things that expand my horizon.**

**THANK YOU..**