

# Library Management System (Python Console App)

## Project Overview

The Library Management System is a simple Python console-based application designed to manage a small library.

It allows users to add, view, search, and delete books, with data stored in a JSON file for persistence.

This project demonstrates team collaboration, GitHub usage, and modular programming in Python.

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## Team Members

Member	Files Worked On	Description
manas	main.py, book_operations.py	Menu system, add/view functions
piyush	manage_books.py, helpers.py	Search and delete features
smit	storage.py, utils.py	File storage and ID generation

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## Features

- Add new books (Title, Author, Year)
  - View all books with unique IDs
  - Search books by title or author
  - Delete books using ID
  - Save and load data from a JSON file
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## Skills Used

- Python (Core)
  - File Handling
  - JSON Data Storage
  - Modular Programming
  - Git and GitHub Collaboration
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## Folder Structure

```
library_project/ | └── main.py └── book_operations.py └── manage_books.py └──  
                    helpers.py └── storage.py └── utils.py └── books.json ← created automatically after  
saving
```