

▯ 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.

▯ 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

▯ 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

▯ Skills Used

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

▯ Folder Structure

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