Python Project Presentation

Library Management

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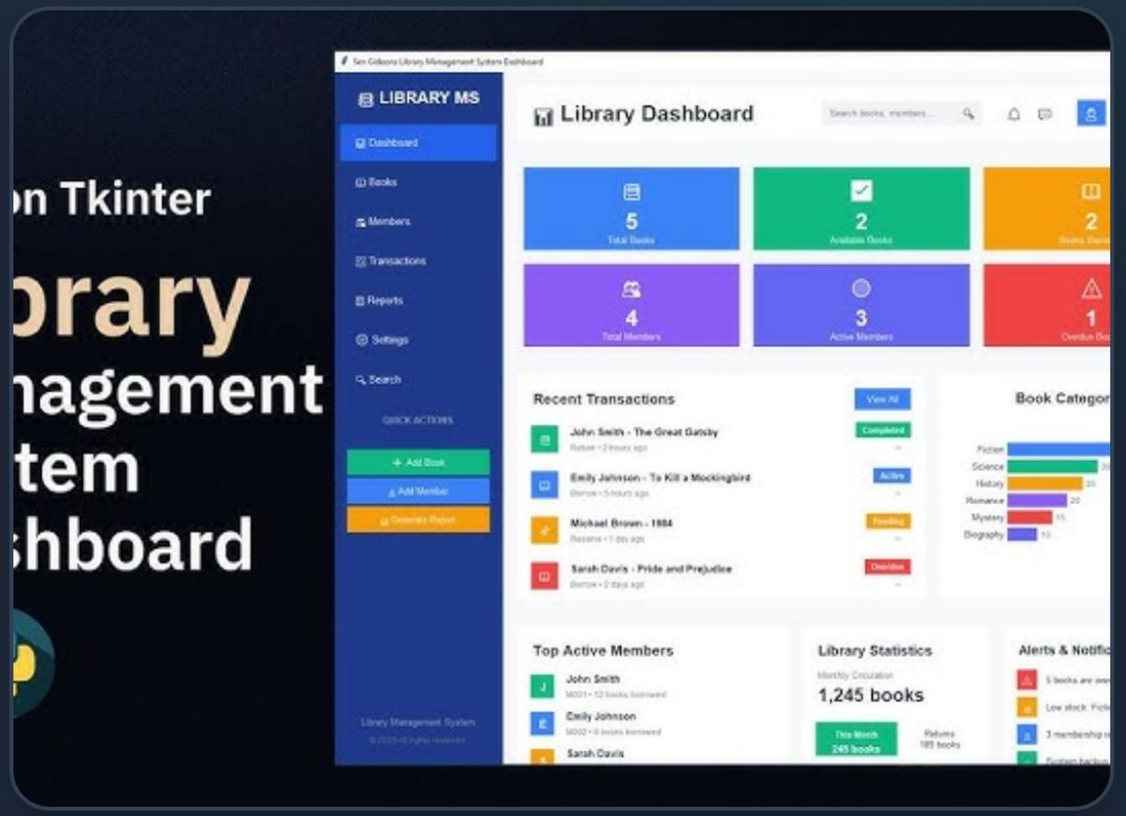
System Overview

Automated Repository Management

This Python-based solution offers a modern approach to managing library assets. By leveraging a robust database structure, the system ensures seamless tracking of books, members, and daily transactions.

The application is built with a focus on **security** and **efficiency**, catering to both administrative needs and student requirements through distinct login portals.



Administrative Module

Secure Login

Exclusive access for library staff. Requires a verified **Admin ID and Password** to prevent unauthorized modifications to the database.

Book Control

Empowers admins to Add, Update, and Delete book records. Manage ISBNs, categories, and stock levels in real-time.

User Tracking

Comprehensive dashboard to monitor student registrations, track issued books, and manage fine collection for overdue returns.

Student Experience

Password Protected Portal

Every student is assigned a secure login profile. This ensures that borrowing history and personal details remain confidential.

Features: Issue Status, Return Dates, and Profile Customization.

Interactive Catalog

A high-speed search engine developed in Python allows students to find resources by author, title, or genre instantly.

Transparency: View book availability before visiting the physical library counter.

Thank You

The Library Management System demonstrates the power of Python in creating secure, scalable, and efficient utility applications.

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Image Sources

https://i.ytimg.com/vi/LOg77Z7zLHU/hq720.jpg?sqp=-oaymwEhCK4FEIIDSFryq4qpAxMIARUAAAAAGAEIAADIQj0AgKJD&rs=AOn4CLBzYck1oZvhIW-hNNvAS_eaFIHnFw

Source: www.youtube.com