



# Shri Vishnu Engineering College for Women

## E-Booking Portal

### Team Members:

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# Problem Statement

The traditional library management system requires manual data entry, limited accessibility, search and retrieval challenges, lack of real-time information, difficulty in monitoring usage, security concerns, and limited analytical capabilities.

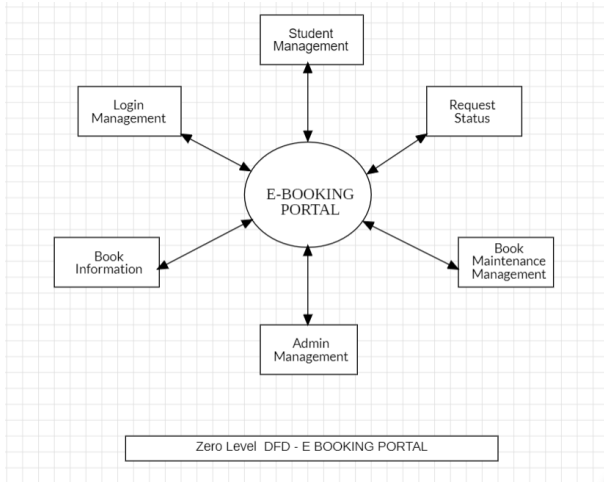
# Project Scope

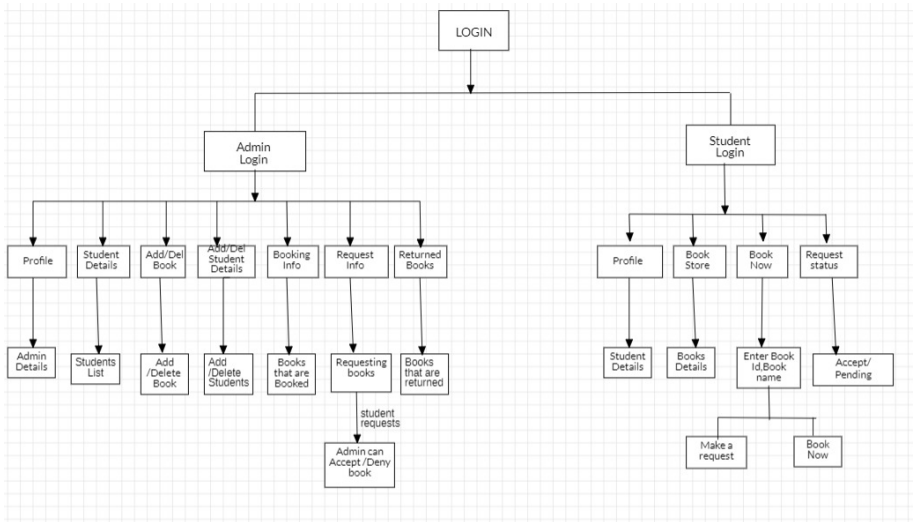
- E-Booking portals for books have emerged as a response to the evolving preferences and lifestyles of readers, propelled by advancements in technology.
- E-Booking portals streamline the reading experience by enabling users to conveniently check the availability of library books online, eliminating the necessity of frequent library visits and waiting periods for book access.

# About the Project

- One can often secure a copy of an unreleased or out-of-stock book by pre-booking it, ensuring availability upon release or restocking.
- You will receive a notification once it becomes available.
- This permits us to reserve or pre-order a copy ahead of time.

# Data Flow Diagram






## Working

- We initiate our search by exploring the library's catalog to confirm the availability of the desired book.
- If the book is presently unavailable or already reserved by another patron, we may inquire about the possibility of pre-booking or placing a reservation for it.
- We have the option to pre-book the book by inputting our user ID, which will subsequently alert us once the book becomes accessible.

LOGIN PAGE




Admin login

USER ID

PASSWORD

LOGIN



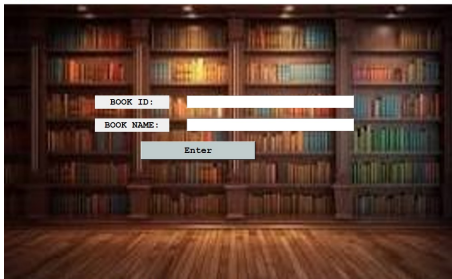
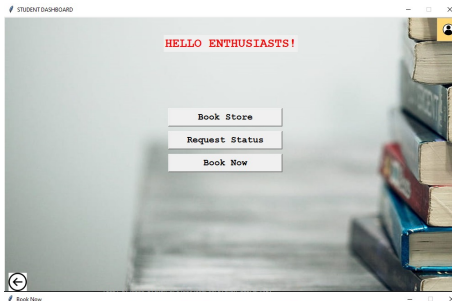
Student login

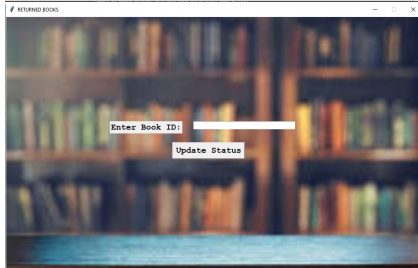
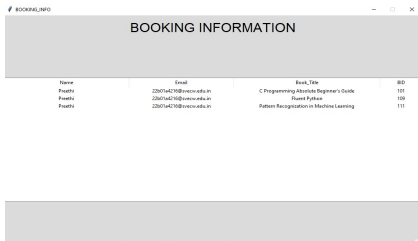
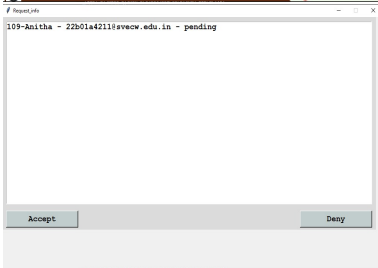
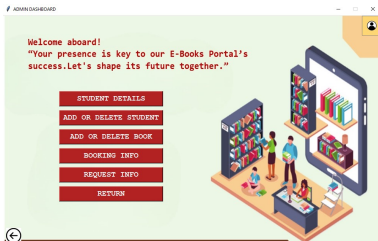
USER ID

PASSWORD

LOGIN







# Abstract

- Through pre-booking, we can guarantee ourselves a copy of the book, ensuring that we'll have access to it as soon as it becomes available.
- It offers a convenient method to reserve books without the need for frequent visits to the library.
- Pre-booking gives priority to patrons who have reserved a book, ensuring that they receive access to it before others. This system prioritizes those who have taken the proactive step of reserving their desired titles.

# Tech Stack

- frontend - python GUI (tkinter)
- Database - MySQL
- backend - python

# Bibliography

- <https://www.pythontutorial.net/tkinter/>
- <https://data-flair.training/blogs/library-management-system-python-project/>

"In general, Our E-booking portal offers seamless online access, real-time updates, and secure transactions, ensuring convenience and robust search capabilities. With user-friendly interfaces, we enhance customer satisfaction by revolutionizing booking experiences..."