



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE**  
(All Programs Accredited by NBA)

**Department of Information Technology**



# **Project Title – Library Management System**

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# 1. Introduction

## ➤ Problem Identified :

- Managing library operations.
- Increased human efforts and lack of time.
- Slow process.

## ➤ Solution Proposed :

- Librarian can easily manage the system.
- It saves human efforts and time.
- This project reduces the manual paperwork.

## 2. Objectives

- To handle the entire activity of librarian.
- To keep track of all the information about the books and students.
- To contain database where all the information will be stored safely.

# 3. Scope

- This project will keep track of all the books and library information.
- The system will be able to handle all the necessary information.
- It is easy to understand.
- It is easy to operate.
- It has good user interface.

## **4. Feature /Functionality**

Feature 1 : Data will be stored and access easily.

Feature 2 : Librarian has the option to add, delete or update student and book details.

Feature 3 : Search feature for finding book availability in library stock.

Feature 4 : Add students records upon issue of a book.

Feature 5 : Record issue date, return date.

## 5. Outcome of Project

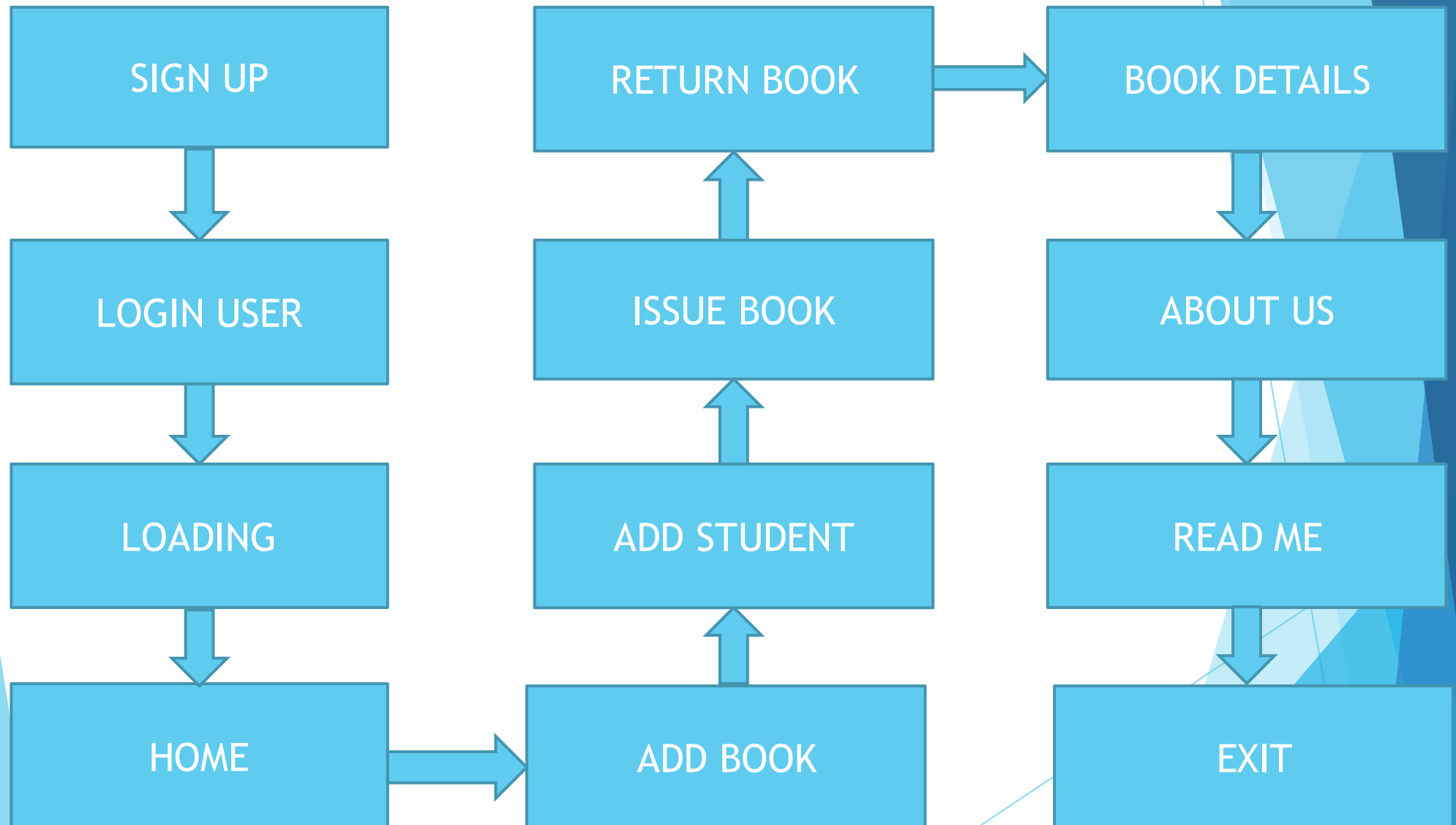
- User will be able to login.
- In case, if the user forgets the password then it can also be retrieved.
- If the user don't have the account then he/she can also create a account.
- The librarian can be able to add, delete or update student details.
- The librarian can also be able to search for the desired book.
- The system also records the date of book issued and returned.

# 6. Technology Stack

- FRONT END – Java
- BACK END – MySQL
- Concept Used – Swing
- IDE Used – NetBeans
- Operating System – Windows 10



## 7. Block Diagram



Thank You...!!