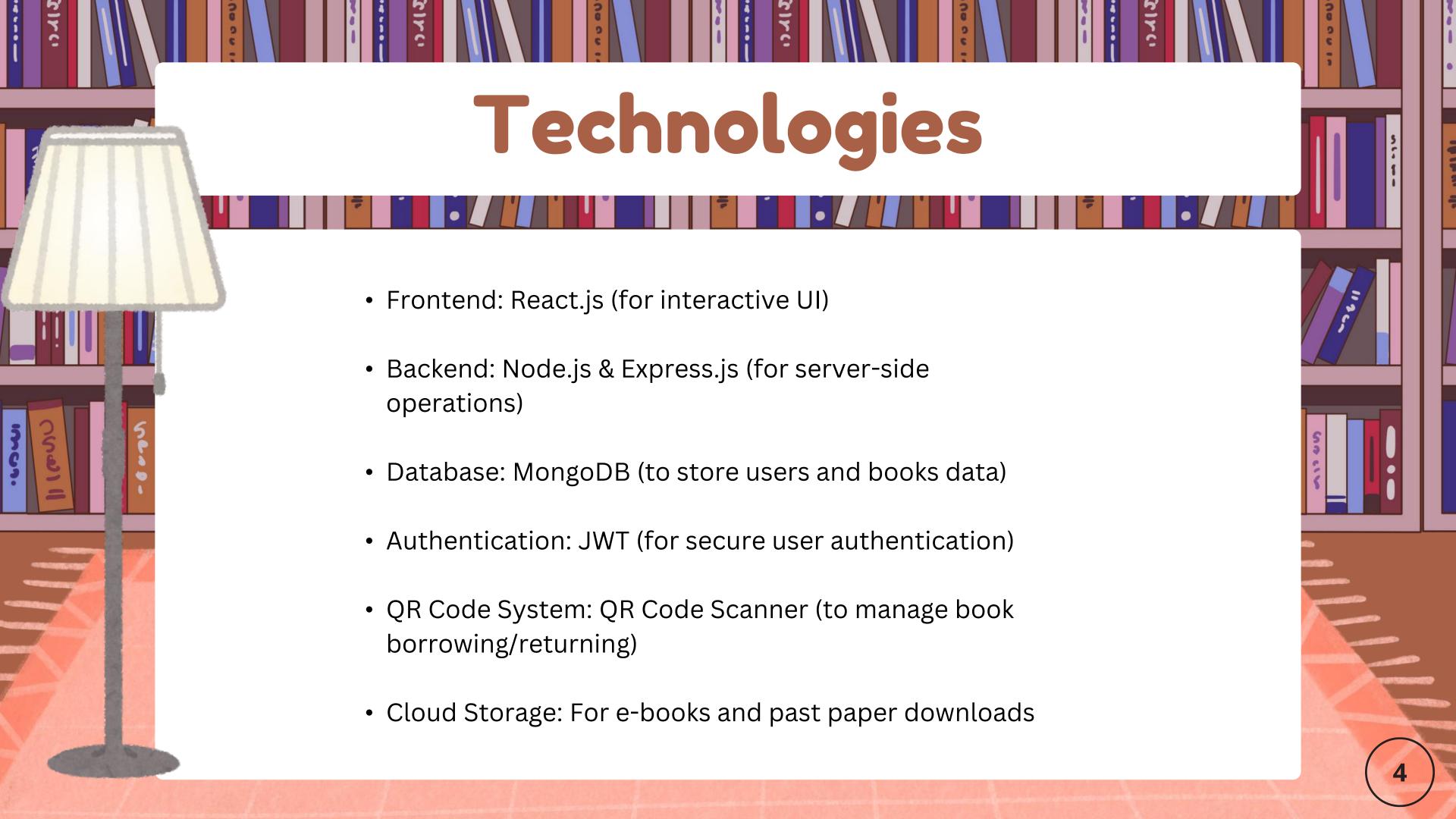


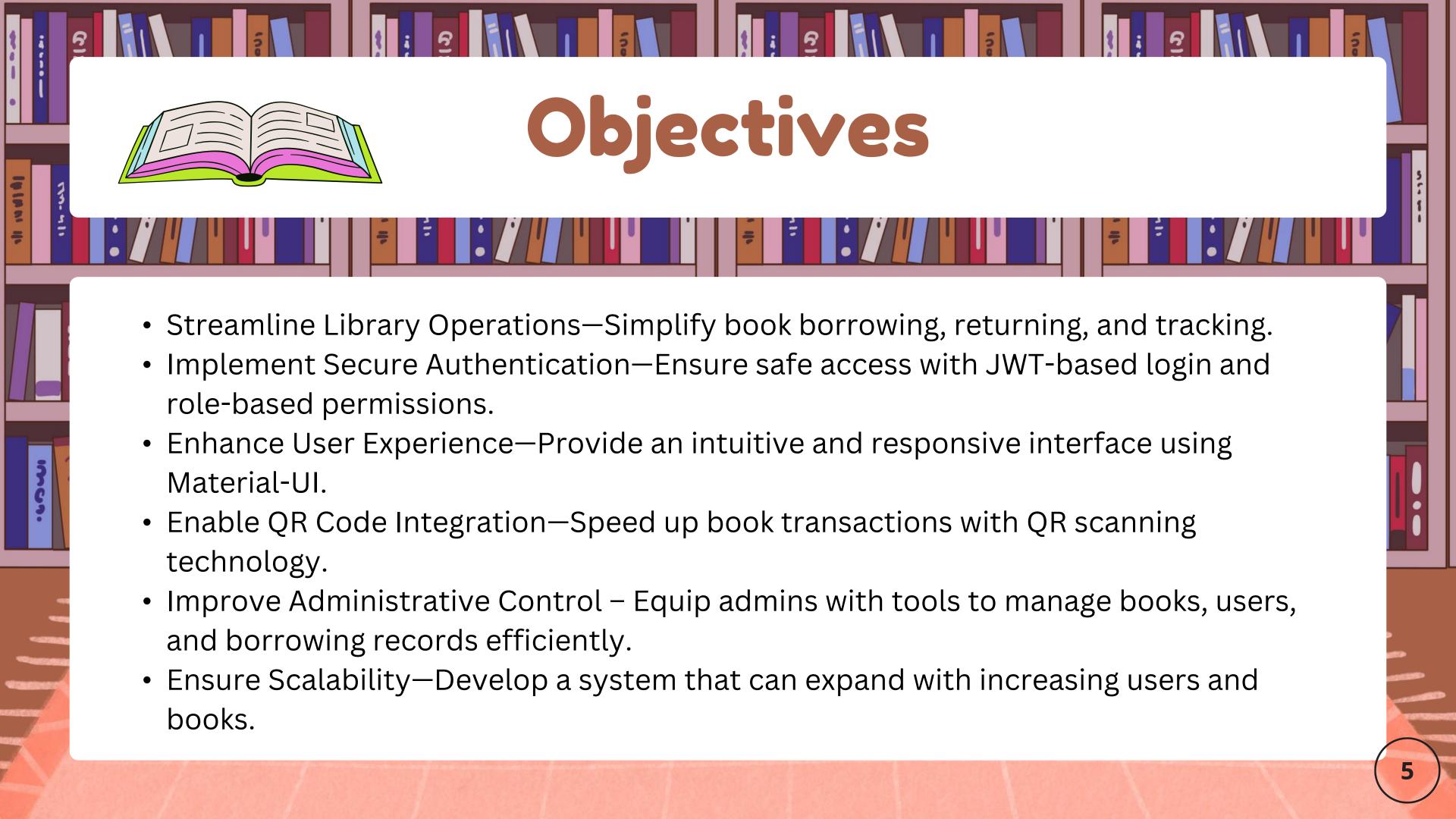
#### Introduction

This project is a library management System built with the MERN stack to streamline book borrowing, returning, and tracking. It features user authentication, role-based access, QR code scanning, and an admin dashboard for efficient management. The system enhances user experience with a responsive UI and modern technologies, ensuring seamless library operations.

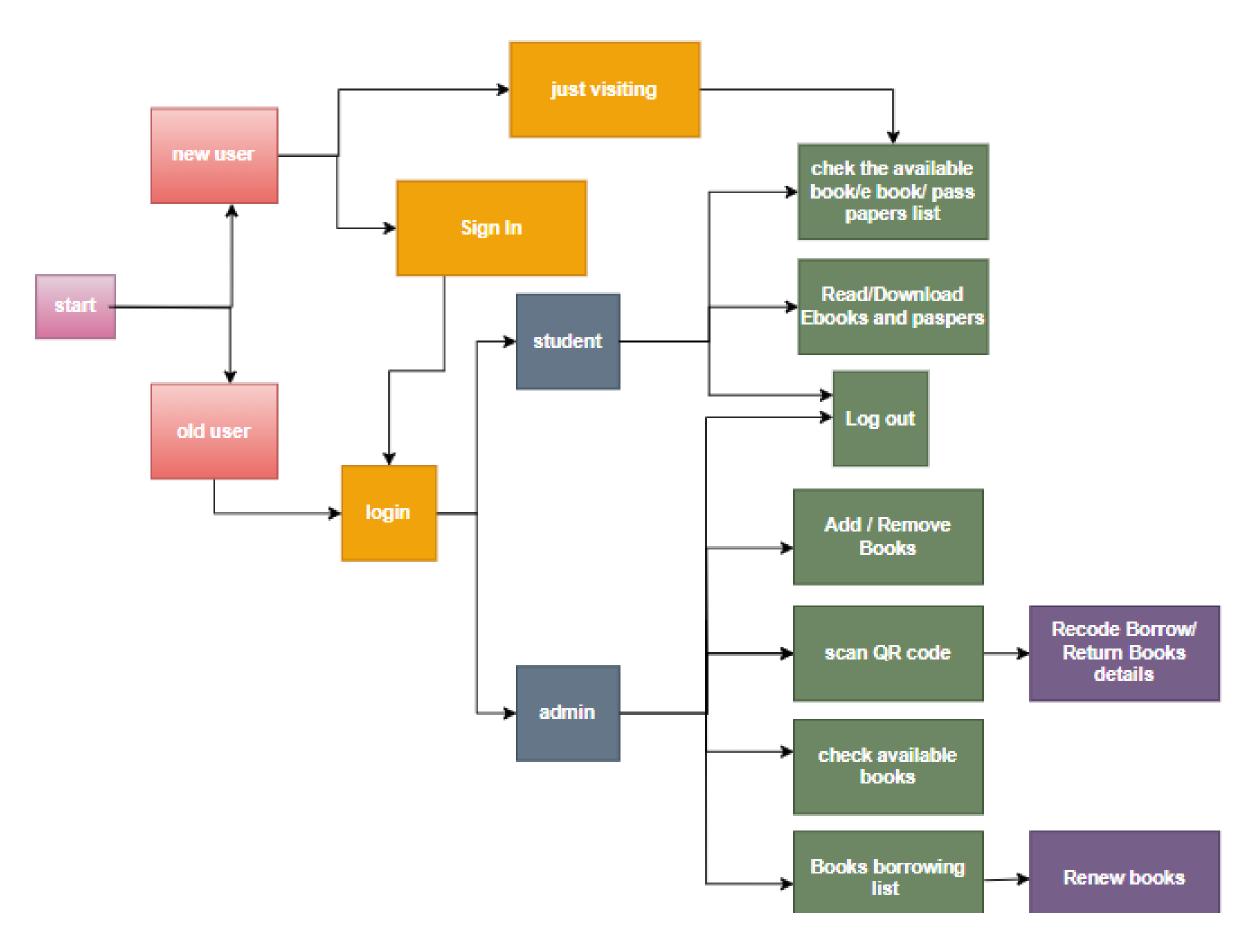
# Why this is important?

- Traditional library management systems require manual effort, leading to inefficiencies.
- Students face difficulties in searching for and accessing books.
- Lack of an online borrowing system results in unnecessary physical visits.
- Administrators struggle with tracking borrowed books and managing library inventory.
- Need for a digital solution that simplifies library operations for both users and admins.





### System architecture



### Features

#### **Features for UsersContent:**

- User Registration & Login: Sign in with university email.
- Home Page: Displays about details, contact info, and links to book-related pages.
- Available Books: Search and borrow physical books.
- E-books Section: Read and download e-books.
- Past Papers: View and download previous exam papers.

## Features con't

#### **Features for AdminContent:**

- Admin Login: Secure access with a special email and password.
- Admin Dashboard: Access to different management pages.
- Total Books: View all books with downloadable QR codes.
- Manage Books: Scan QR codes to issue or return books.
- Add New Books: Add books with images, authors, ISBN, and descriptions.
- Released Books: Track borrowed books with student details and deadlines.
- Extend Borrowing: Allow students a one-time extension of one week.









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Git --- https://github.com/AvishkaVishwa/FOT-Library-Management-System.git

Drive -- https://drive.google.com/drive/folders/1Up42ofYsYVXxAKzo5bBt\_wk9reiyVzRJ?usp=sharing