PRJ: 132
SMART PHONE BASED MANAGEMENT SYSTEM FOR A MOBILE VAN COMMUNITY LIBRARY

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SLIDES TO BE COVERED

👍 Introduction

📇 Literature review

📐 Design

📅 Implementation

📋 Results and Analysis

💬 Conclusions and Recommendations

🎾 QnA session

INTRODUCTION

- Problem statement of the area of study.
- Objectives to be achieved while tackling problem
  - Must be a real time system
  - Intuitive interface for ease of use
- Specific objectives of the tackled problem.
  - Integrate the mobile library service with technology
  - Improve ease of book circulation in mobile libraries

LITERATURE REVIEW

- Historical background of mobile libraries around the world

- Working principle of mobile libraries i.e book circulation

- Features found in a library management system

- Classifications of mobile applications and their advantages

- Classifications of libraries
    - Dewey decimal system
    - Library congress classification
    - Colon classification
    - Universal decimal classification

DESIGN

- Define the entities
- Database structure & relationships
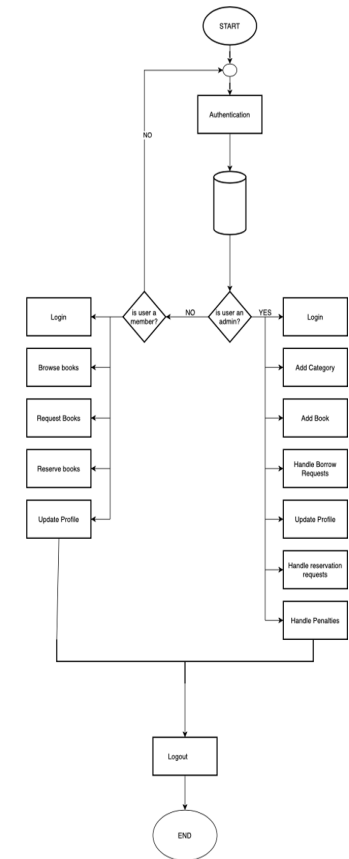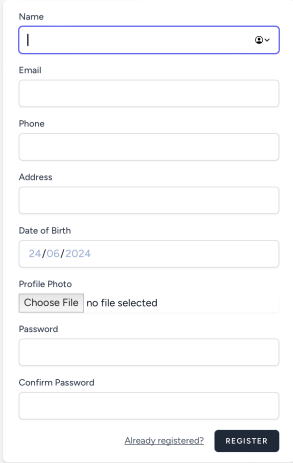- Working of the system
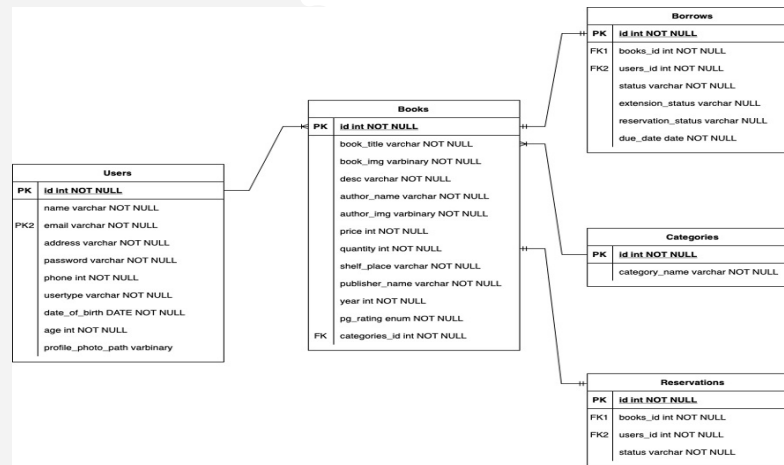
Figure 1:Entity relationship Diagram

Figure 2:Working flowchart

IMPLEMENTATION

- Technology used and MVC structure
- User authentication using Laravel Jetsream
- Database setup using Laravel migrations
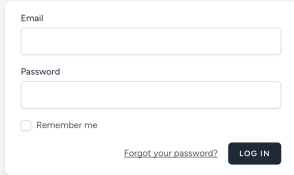- CRUD operations implemented in the system
- Working operation of the LMS

RESULTS

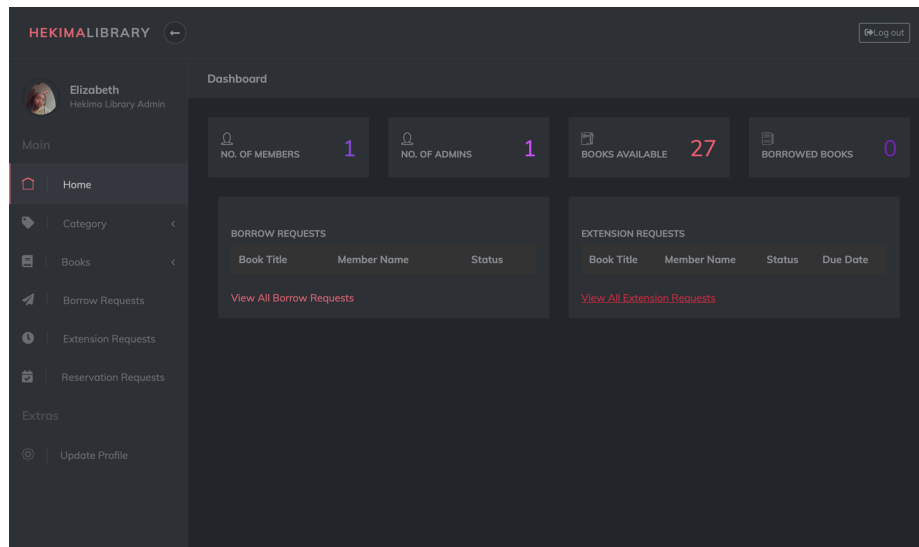Figure1: User registration

Figure 2: Login view

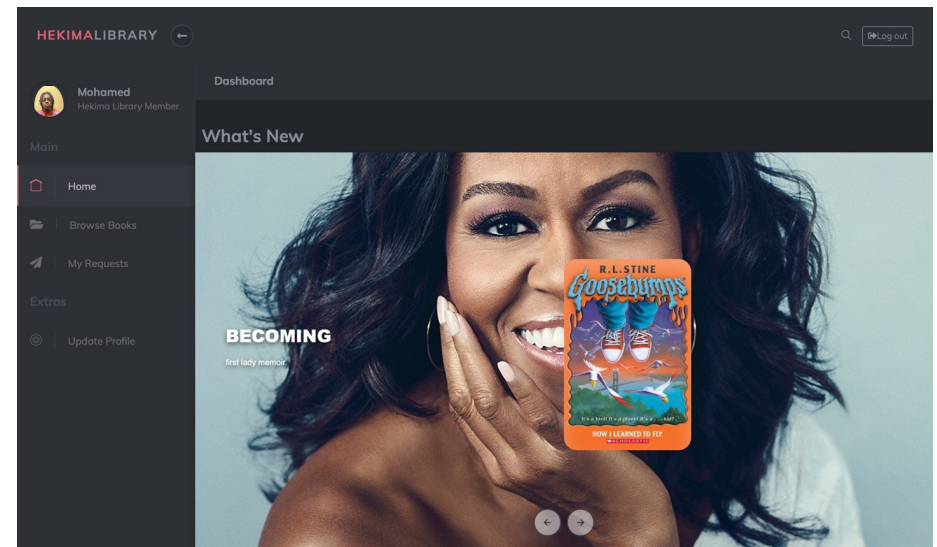# RESULTS

Figure 3: Admin dashboard

Figure 4: Members dashboard

CONCLUSION AND RECOMMENDATIONS

RECOMMENDATIONS

- Improved push notification system

- Enhanced fine and reward system

- Incorporation of transaction APIs(application programming interface) for fines

- Automated report generation i.e., borrow trend reports

- Introduction of a live chat for ease of communication

- Incorporation of book recommendations using A.I.

THANK YOU

QUESTIONS?