

Library Management System

HARSHITA KALANI - B20CS019
PRANAV GOSWAMI - B20CS016

Project Status - Completed.

Video Link: https://drive.google.com/file/d/13EiLtTd zkxb_Z-sZCZ1ZoEW5BsdCP9rL/view?usp=sharing

Major Contributions that took most time

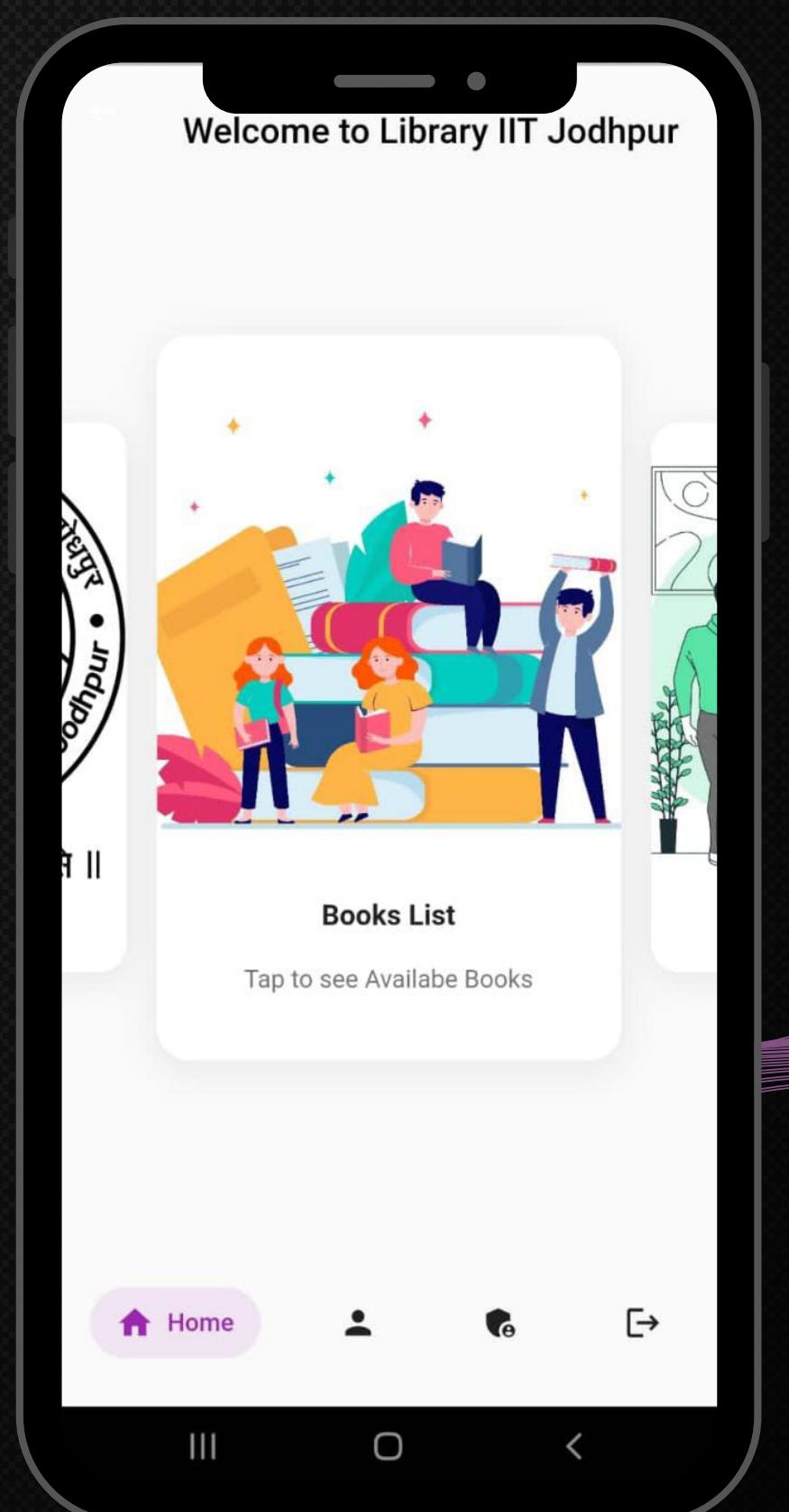
Major of the work is done by both of us together, It was tough to separate the works, all the pages are interlinked and hence the entire app is a team effort.

Harshita Kalani

Worked to integrate gallery and whatsapp to our application and created various pages.

Pranav Goswami

Worked to integrate camera and google firebase and firestore to our application and created various pages.



Contribution

Harshita Kalani

- Landing Page
- Login
- Google Authentication
- Main Page
- QR Code Scanner
- Profile Page
- Issued Books Page
- Gallery Integration
- Books Genre List
- Book Issue Request Page
- Admin Panel
- Add/Remove Book
- Imgur API Setup
- Testing Application
- Debugging
- Models Creation at Backend.
- Update username/email via OTP.

Pranav Goswami

- Google Firebase Integration
- Google FireStore Integration
- Signup Page
- Google Authentication
- OTP Verification
- Camera Integration
- User profile picture update
- Update password via OTP
- Books List Page
- Search Bar
- Available Books page
- Report query on whatsapp
- testing the application
- debugging
- Models creation at backend
- Imgur API setup
- Bottom navigation bar setup.

Total Lines

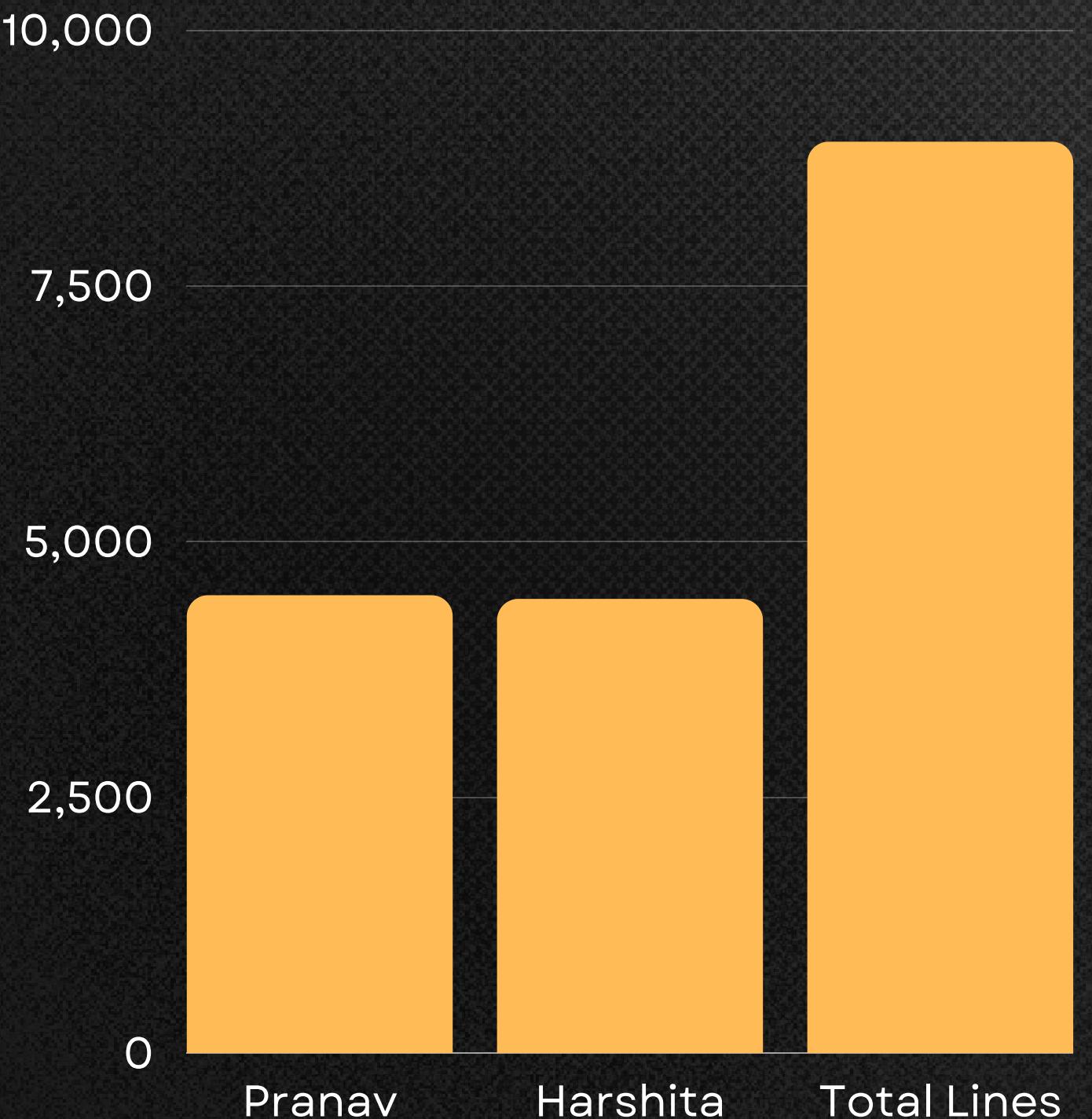
- Approximately there are around 9000 lines, excluding the experiments we performed for optimum run of the application
- We never kept a count of lines we wrote individually.
- Both done equal work and hence both have wrote almost same lines i,e, about 4400

[Github Repository Link :](#)

https://github.com/HarshitaKalani/library_management_system

[History of commits :](#)

https://github.com/HarshitaKalani/library_management_system/commits/main



Objective:

Status - Completed

App Size: 46 MBs

Quite low in comparision to the apps present nowadays



We tried to solve the problems faced at the IIT Jodhpur library through a handful and user friendly mobile application which do not require any special kind of configurations to work and is of very few MBs



Our main objective was to apply the concepts of software engineering learnt during the course and see how it improvises the software development and the pipeline of the software development



Along with this learning a new programming language which is of great boom in the market nowadays is a good thing, which we think we wont be able to do if SE course had not provided a course project. Thanks a lot to Professor and TAs for making it success.

Thank You



**Harshita
Kalani**

B20CS019



**Pranav
Goswami**

B20CS016

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