



MOBILE LIBRARY RESERVATION SYSTEM

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Abstract

Mobile applications accelerate our operations with facilities that almost everyone has easily available such as the internet and smartphones. You may have seen queues in front of public libraries and university libraries. This project aims to prevent the users from waiting in the library queue by making a reservation in advance and to enable them to choose the table they want to study on. In addition, a QR code is created on the mobile application specifically for each reservation to innovate library card usage.

Keywords: mobile application, reservation system, library

Introduction

Mobile library reservation system is a project that includes 3 different users: admin, library member and librarian. Admin can list existing libraries, delete and update their information, also can add new library to library list. Librarian can list all reservations, view and delete them. After registering and logging into the system, the Library member can see the vacant or occupied places by selecting the desired library, and by selecting the empty table and time interval, he can make his reservation and delete the reservation has made.

Solution

Thanks to this application, those who want to study in the library will not spend hours to enter the library and find a place in the library. They will be able to easily make reservations from the library they want by registering with the application from their android operating system phones. Users will be able to enter the library easily by having the librarian scan the QR codes created for each reservation.

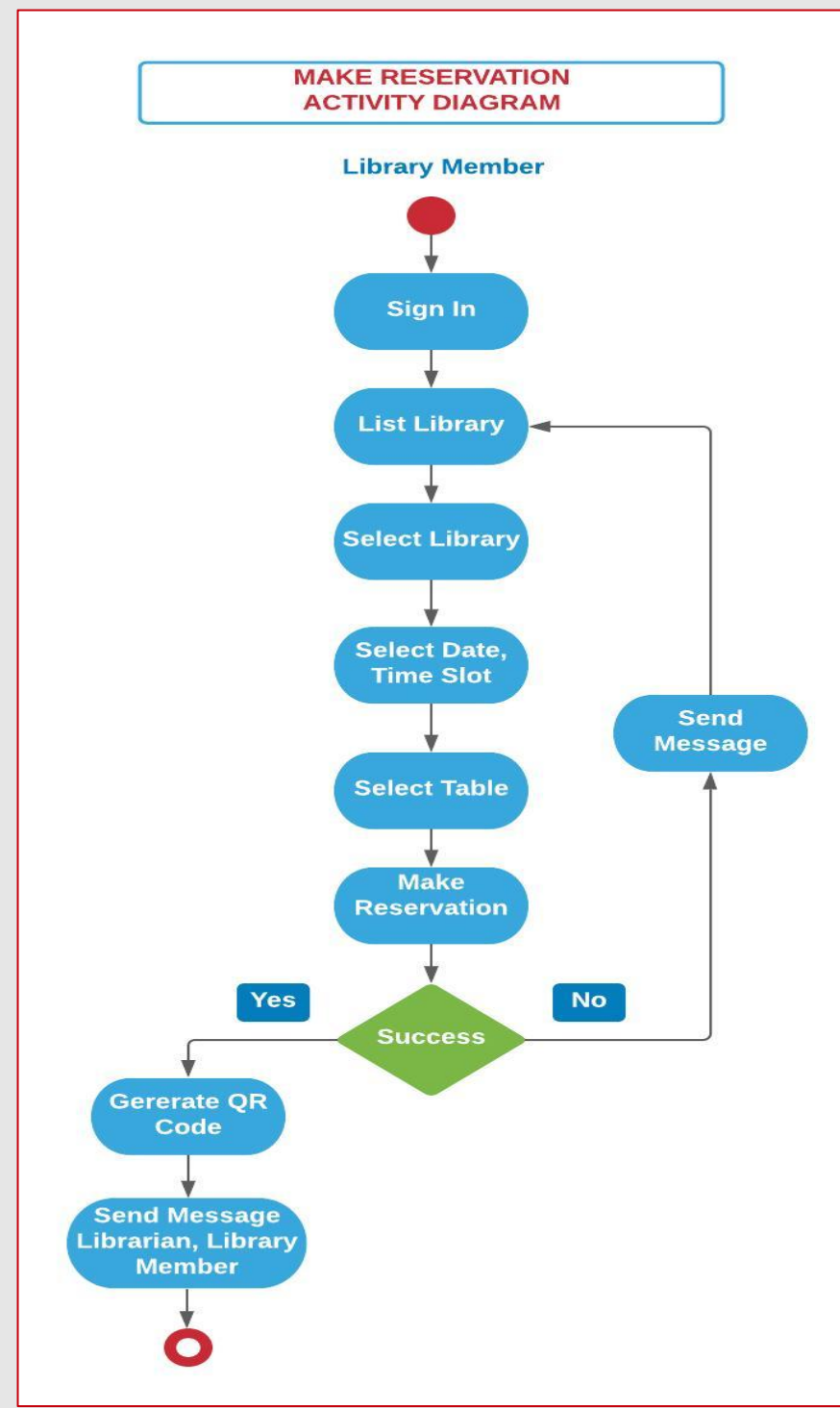


Figure 1 -
Make Reservation Activity Diagram

Acknowledgement

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Company Info

This project designed for equipment directorate of Çankaya University to display and make changes about the assets of Çankaya University with a user-friendly mobile application.



Results & Conclusion

In summary; In order to make people's lives easier, we have developed an application where they can make reservations from anywhere with the mobile library reservation system that we have developed without waiting in the library queue and log in with only a QR code without the need for a library card.

Mobil Library Reservation System will prevent people from wasting time in the library queues, people will be able to learn how much space is available in which library at any time, without going to the library, and the library card, student certificate, etc. required to enter the library. It will enable users to easily log in with the QR code produced specifically for each reservation by eliminating the documents.

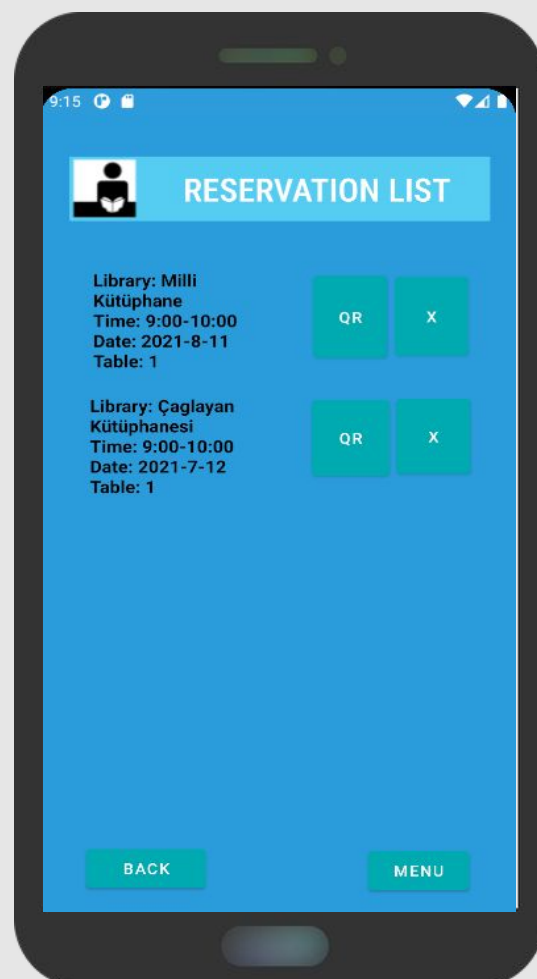
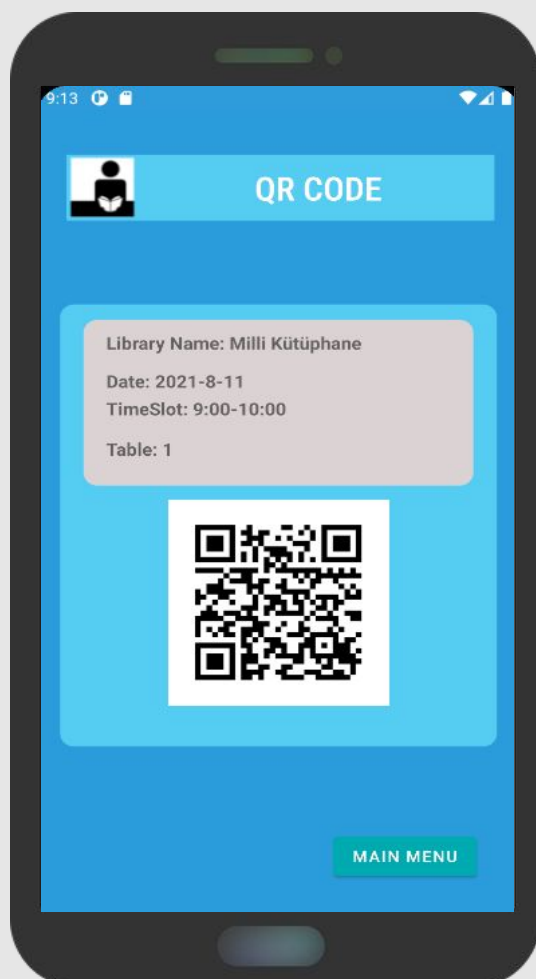
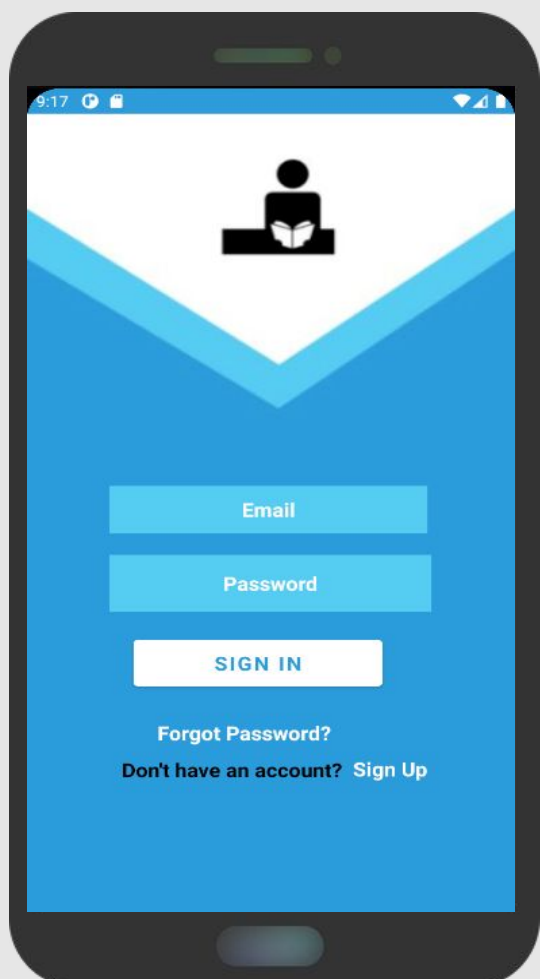
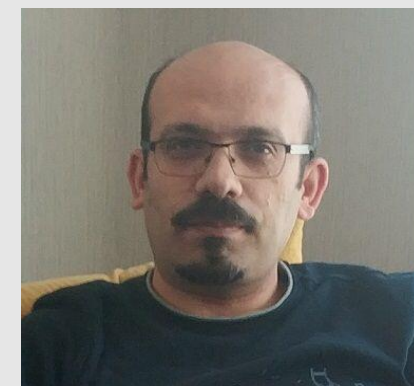
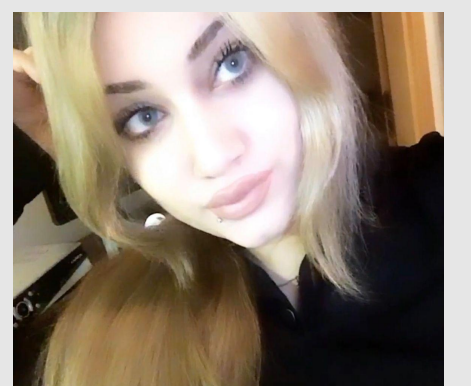


Figure 2 – Finished Product



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