

Haircare App – A Salon Booking and Enquiring Application

R. Singh Rathore¹ S. Kushwah² S. Jain³ J. Kanungo⁴ K. Namdev⁵

^{1,2,3}Student ⁴Assistant Professor ⁵Senior Assistant Professor

^{1,2,3,4,5}Department of Computer Science and Engineering

^{1,2,3,4,5}Acropolis Institute of Technology and Research, Manglia-453771, Indore, Madhya Pradesh, India

Abstract— Time is the most precious thing. People need barber's service for looking good and clean. A person would like to get his turn for the haircut as soon as he reaches the barber but unfortunately that rarely happen. People don't get their turn for haircut as they reach the salon because some number of people are already waiting there at the salon for their turn. There is no way to know how many customers are already waiting at the salon so a lot of time & energy is wasted in this scenario. In this busy world where time is short for everything, we need to make best use of our time and manage it optimally. People have to wait for their turn when they go to hair salon & a lot of time is wasted there in the waiting line. We can solve this problem by providing a modern solution where people can simply book or enquire (see the current number of waiting customers) about their favourite salon using a user-friendly app.

Keywords: Barber's service, Time

I. INTRODUCTION

The purpose of this app is to provide a platform where barbers and their customers can connect with each other. This will result in efficient use of barber's time as well as will save their customer's time. The most valuable thing for human being is Time. We therefore intend to save our precious time by designing an Android App for salon booking and enquiring. The users can register themselves on the app and can select their preferred salon to enquire and see the current (real time) status of the Salon. User will have the facility to book their seat with their time slot from anywhere, so that they don't have to wait there in the queue at the barber shop. This app will add more convenience to the life of people. Android is the latest and a rapid growing technology available for all the users or customers in today's market. This project has been developed for the online salon booking. This type of Android mobile phone application that gives information about barber shop. Reason for Android platform Android requires an open source development which is probably the most feasible and a present user-friendly approach.

The main goal of the proposed work is to improve the Better utilization of time. Also, barber can improve their income because of better time utilization. The proposed system maintains all the Salon services information online. The system identifies various services of salon and accordingly provides information. The various services are Haircut, Massage and Shaving etc.

II. LITERATURE SURVEY

We read some articles on the internet, in that, we see some issues in the system are as following

A. Traditional System

In the traditional system the customer goes to the salon and takes the service of salon. This does not require any online

system. In this customer himself has to go to salon and book the seat. People need barber's service for looking good and clean. A person would like to get his turn for the haircut as soon as he reaches the barber but unfortunately that rarely happen. People don't get their turn for haircut as they reach the salon because some number of people are already waiting there at the salon for their turn.

1) Disadvantages

- Customer's time is wasted.
- Profit does not increase.
- Daily Booking cannot store.
- Barber cannot advertise his salon.

B. Calling System

In the calling system the customer book the salon using the phone call. Customer just call to salon and ask for the time slot and the salon provide the time slot to that customer. The customer needs the phone number of salons.

1) Disadvantages

- Taking calls is inefficient.
 - Many appointments are missed.
 - Extra employees are needed to manage the phone calls.
- Finally, we get idea, we can make mobile application that will help to that customers Who want to go saloon shop, here any customer can easily register in this app and can book services as they want in require time slot, with the help of this any customer can save their time easily. Here barber can earn.

III. RESEARCH METHODOLOGY

The Mobile App will have two types of users: Barbers & customers. Salons will be registered on App database. The customers will create their account and they will see a list of their nearby salons. They can select their preferred salon and can see the no. of waiting customers as well as they can book their seat with their choice of time if that time slot is free. This project would definitely satisfy all the requirements of the users and would be beneficial for the male human who uses salon and others.

A. Roles and Responsibility

1) Barbers Roles

- To Register his salon.
- Keep track of bookings.

2) Users Roles

- Registration with valid e-mail address.
- Select his area.
- To select his preferred time slot.

B. Description of User Interface

1) Login Activity:

A login, logging in or logging on is the entering of identifier information into this system by a user in order to access

application. Login requires the user to enter two pieces of information, first a user name and then a password. User can also login via his Google account.

2) *Registration Activity:*

Registration is signing up for using this application. User can register via his credentials.

Credentials include-

- Full Name
- Valid Email Address
- Password

3) *Forget Password:*

User can change your password for security reasons or reset it if you forget it.

Password reset instructions will be sent to user email address.

4) *Search:*

Customer can be search barber shop of their area. After search Customer can see the list of shop of their area. Customer should be select the shop and booked their time slot.

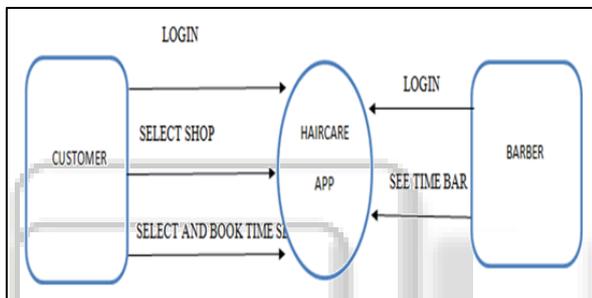


Fig. 1: Dataflow diagram

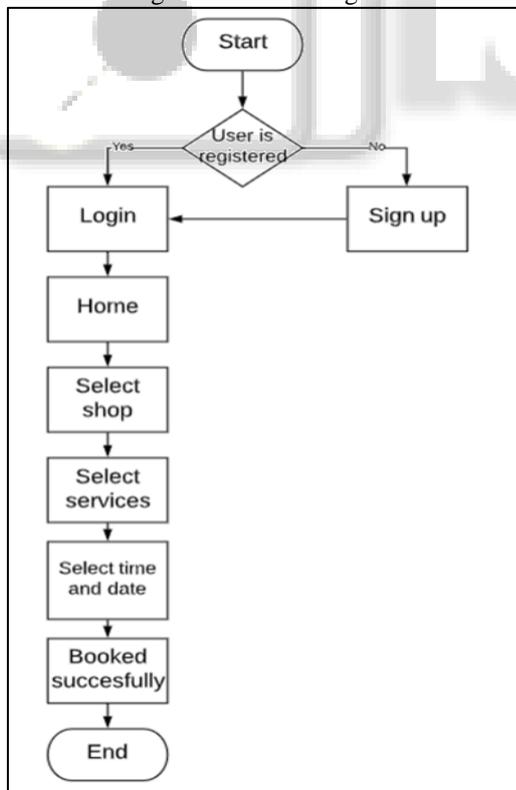


Fig. 2: Process Flow diagram

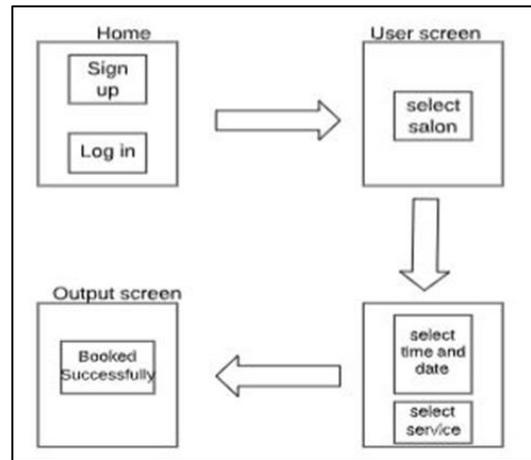


Fig. 3: Communication mechanism diagram

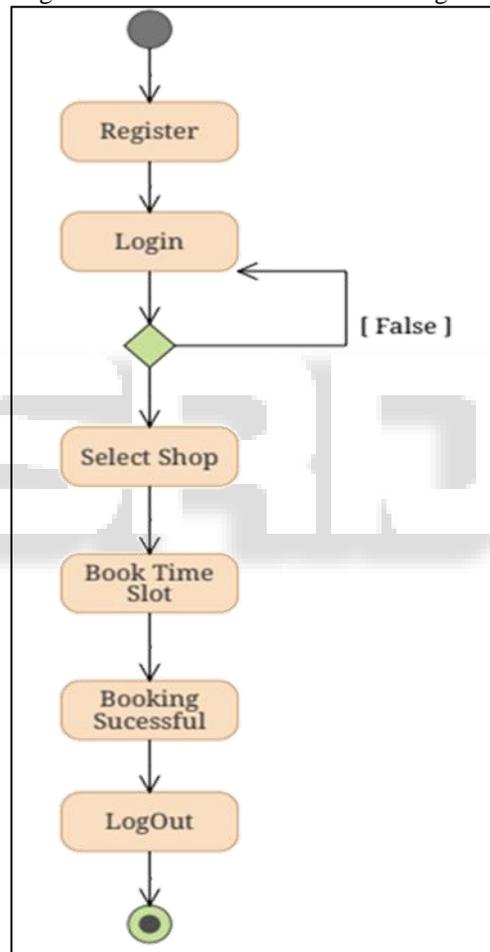


Fig. 4: Activity diagram (Customer)

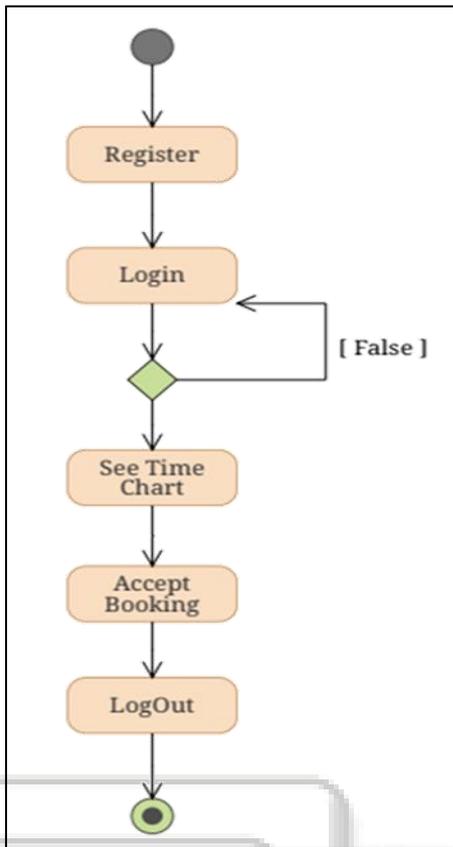


Fig. 5: Activity diagram (Barber)

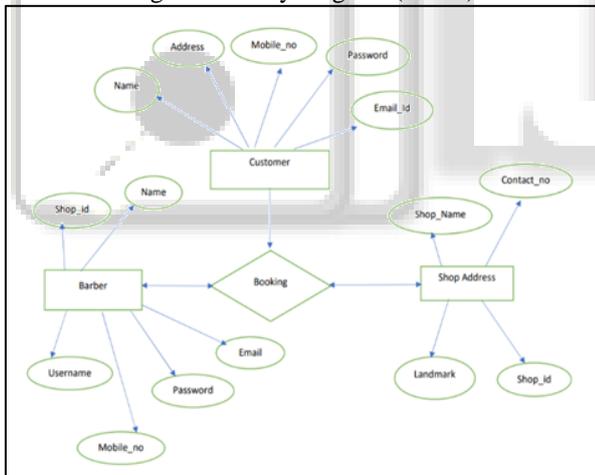


Fig. 6: ER diagram

IV. RESULT

Customer can easily register on the app and book seat on saloon shop and Barber can accept the request of customer. Customer can choose different shop as their wish.

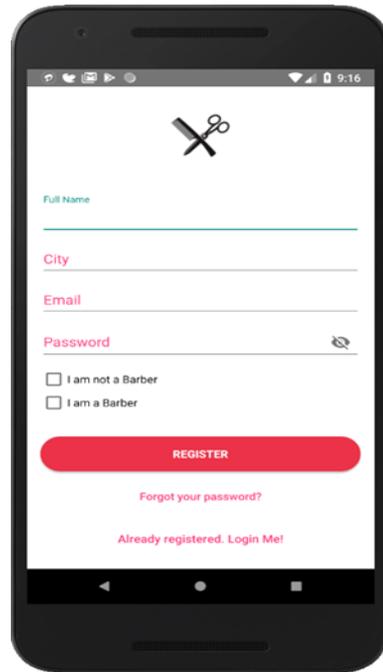


Fig. 1: Registration

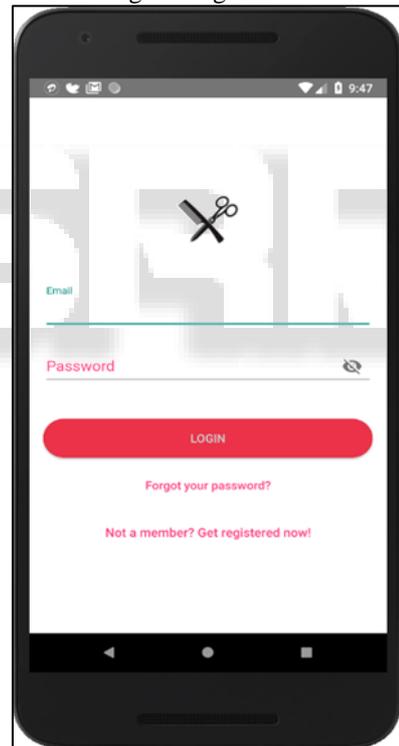


Fig. 2: Login

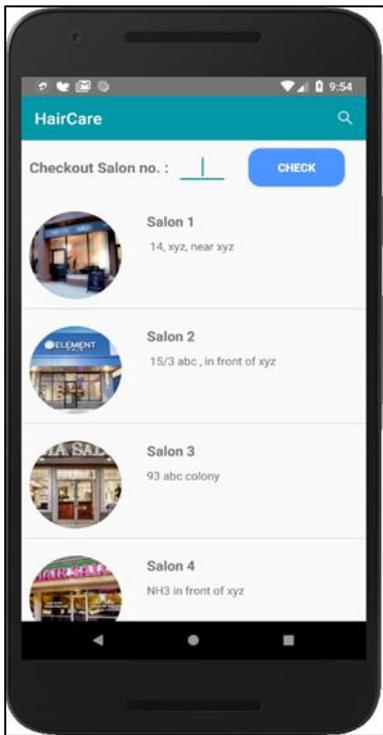


Fig. 3: select salon

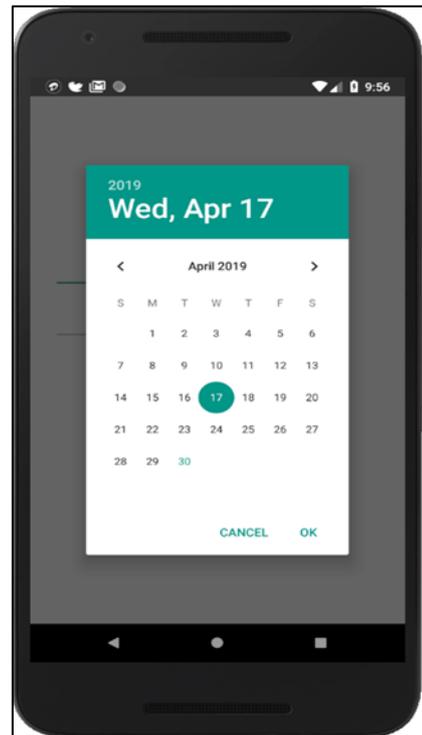


Fig. 5: Choose date

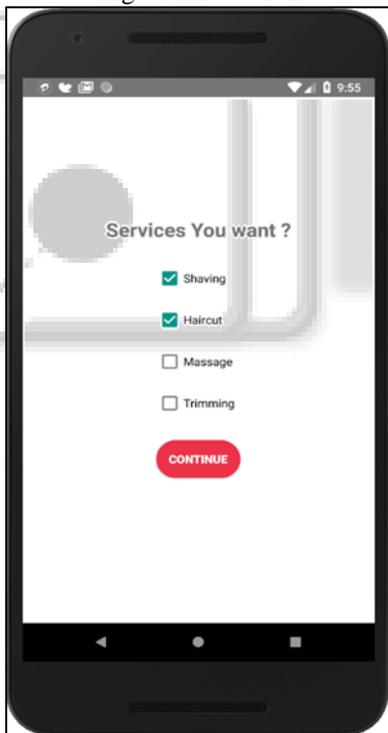


Fig. 4: Select Service

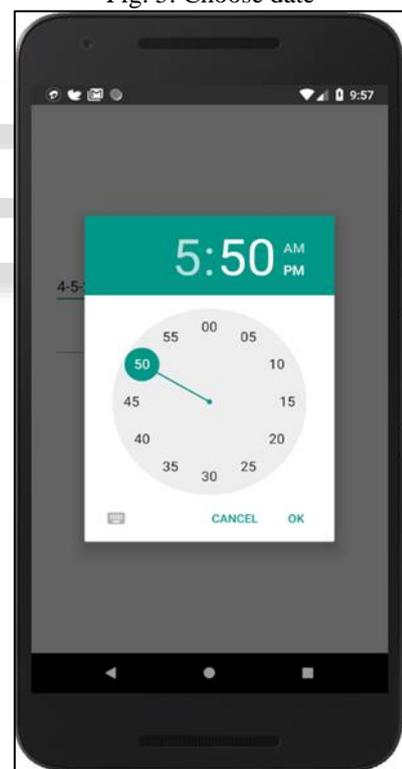


Fig. 6: Select Time

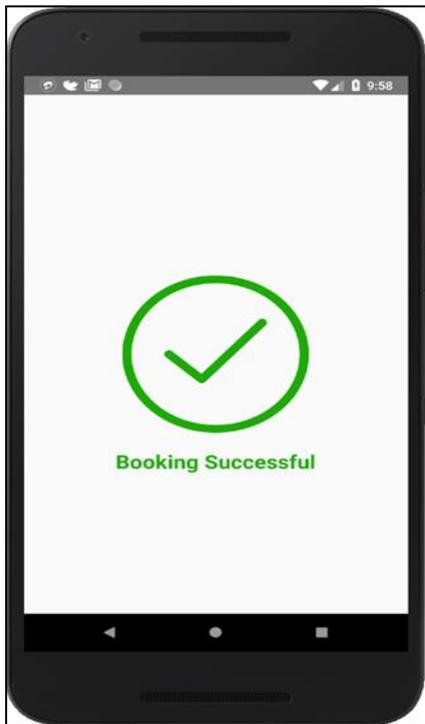


Fig. 7: Booking Successful

- [4] Available at <https://developers.google.com/maps/documentation/android-api/intro>
- [5] Available at <https://firebase.google.com/docs/functions/>
- [6] Available at <https://www.tutorialspoint.com/android>
- [7] Available at <https://developer.android.com/training/basics>
- [8] Available at <https://www.udemy.com/course/learn-android-application-development>

V. CONCLUSION

Projects has been implemented on android platform. This is to conclude that the project that we undertook was worked upon with a sincere effort. Most of the requirements have been fulfilled up to the mark and the requirements which have been remaining, can be completed with a short extension. This project would definitely satisfy all the requirements of the users and would be beneficial for the male human who uses salon and others. Developing the project has helped us some experience on real-time development procedures. Our application is highly flexible one and is well efficient to make easy interactions with the client.

VI. FUTURE ENHANCEMENT

Similar applications can be developed for windows or IOS users. The same concept can be implemented anywhere there is need to wait. We can add Google map in place of list of cities. Hairstyle suggestion concept can be added. Hairstyle sharing option can also be added in future. We can use this application in doctor clinic. Salon feedback and rating concept can be added. Registration with phone number, any social media account can also be added. Advance payment option can be added. Barber can also give offers for customers.

REFERENCES

- [1] Available at <https://en.wikipedia.org/wiki/Android>
- [2] Available at <http://www.vogella.com/tutorials/AndroidServices/article.html>
- [3] Available at <https://developer.android.com/guide/components/services.html>