

بسم الله الرحمن الرحيم

AN-NAJAH NATIONAL UNIVERSITY



Computer Engineering Department

Software Graduation Project

The Big Day: Wedding planner

students

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Roa'a and Rose .

Disclaimer

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Abstract

The big day is an application to help Bride and groom to choose the appropriate hall, available appointments, decorating methods in an easy way. This project is important because it saves time and effort for them and it helps them to see all the options that are available.

Our project covers the following aspects: Registration in the application via sign up screen is for 3 types of users: regular user, the owner of the hall and for admin. Every hall owner has profile , decorating options, and other information, and he is able to modify it.

Regular user can view all the halls and make booking via a button in the halls' profile, so he/she can see all reservations that are available and choose the best one to them. The user can see halls' profile including the map for the hall and contact Information ,and he can choose from the decorating options that the hall provides, and everything he chooses increases his price over the total price.

The user can open a chat with the owner of the hall to ask him anything. Also, he/she can search a hall according to price ranges, position and the capacity of the hall which is required. he/she can enter one or two or all of these filters.

Admin can add or delete halls, make discounts, and general control of the application.

1 Introduction

1.1 Statement of problem:

Many grooms and brides find it difficult to find a suitable hall that meets their needs in terms of price, location and the number of people invited, so they spend time and effort to find it, also the difficulty to go and ask for available days, and tell halls' owner about the needed services.

1.2 Project objectives:

The main goal of our project is to help the bride and groom choosing the appropriate hall, available appointments, decorating methods.

This project is important because it saves the time and effort and helps them see all the options in an easy clear and comfortable way. In addition, they can search for the hall they want, filter the halls according to the price, location and the capacity.

1.3 Scope of the work:

The project helps both brides and hall owners. The application introduces all the available options to the users, they can choose the halls that suit them in terms of price, services, location and The number of people invited.

On the other hand, our application make it easy for hall owners to reach a larger number of people, see all the reservations, and see all the services and requirements that the customer requested in one place in an easy way.

1.4 Importance:

1- Shedding light on unknown halls and encouraging start-up projects that are interested in the topic.

2- Saving the time and effort for the brides and helping them to see all the options in an easy clear and comfortable way.

3- Saving the time and effort for the halls' owner and see the customer's requests clearly.

1.5 Organization:

This report is organized as the following:

Chapter1:an introduction and overview about the importance and the scope of this project.

Chapter2: the problems and constraints that we faced in this project.

Chapter3: literature review.

Chapter4:Technical choices and Programming languages.

Chapter5:Methodology.

Chapter6:Result and discussion.

Chapter7: Conclusion and recommendation.

2 Constraints, Problems and Standards:

2.1 Constraints and Problems:

2.1.1 The political situation and the existence of the apartheid wall

The wall may be very close to the user, but he cannot reach it.

2.1.2 Time to learn languages:

because we learnt flutter, Dart, Node.js , they are new languages for us, so it took us great effort and time.

2.1.3 Connection to the internet:

Since we used mongoDB and Firebase in our app, we needed a constant online connection.

2.1.4 Choosing a programming language:

We have spent a time choosing which programming language to use, because time is limited and we want languages through which we can ensure progress in the project,

2.1.5 Earlier work:

We took online courses , read manuals and watched videos on Dart,Flutter ,Nodejs and Firebase to help us with the implementation and development of our project.

3 Literature Review:

First, we took a review to the languages that may be we could use, we use flutter because it is simple to learn and has all the packages that we need to represent all our features, and Flutter applications can run into more than one operating systems mobile (Android,IOS,..).

Our application is different from many other applications for wedding planner in Palestine. Although there are some sites specialized only in the wedding hall itself and They display their information on it.

In our application, owner halls from any city in Palestine can join and introduce their services and access the users.

4 Technical choices :

4.1 Programming Language

4.1.1 Front End

We used Flutter and Dart language to build The mobile application ,and we built the web application using the HTML, CSS, and Java script .

4.1.2 Back End

For the back end, we use:

Node-JS.

We used Firebase to store chat and notification messages and we store the images in the cloud.

4.2 Tools

1-Android Studio.

2-Visual Studio Code.

3-Node-JS , MongoDBCompass.

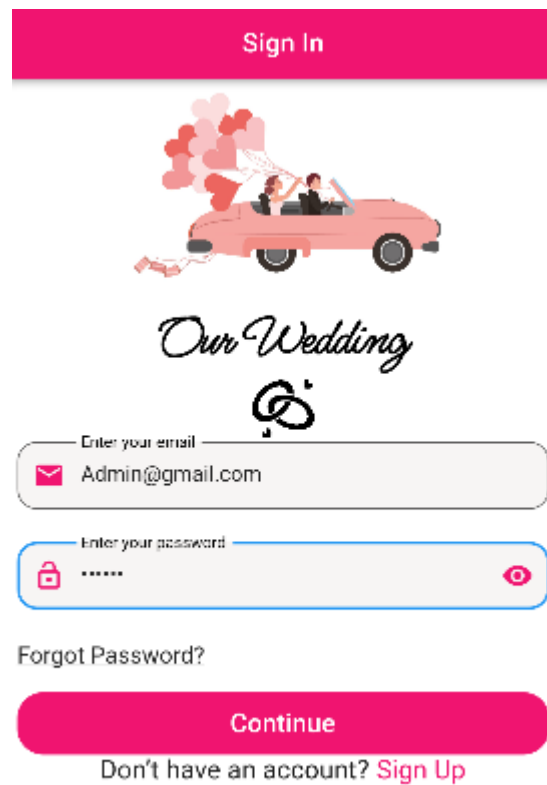
4-Simulator and real device to testing our project.

5 Methodology:

5.1 Main Pages

Login admin:

The admin must log in using the name and password in order to be able to enter the wedding application as shown in Figure 5.1.1



The image shows a login interface for an application titled "Our Wedding". At the top, there is a pink button labeled "Sign In". Below this is a decorative illustration of a pink convertible car with a bride and groom, surrounded by red and pink balloons. The text "Our Wedding" is written in a cursive font, with a wedding ring icon below it. The login form consists of two input fields: "Enter your email" with the value "Admin@gmail.com" and "Enter your password" with masked characters "*****". Below the password field is a link for "Forgot Password?". At the bottom, there is a pink "Continue" button and a link that says "Don't have an account? Sign Up".

Figure 5.1.1:Login admin

Admin page:

When the admin log in, the next page shows all the options available to him, such as viewing all information about the halls, in addition to accepting and rejecting the halls requests, offers requests , and receiving any feedback from users.as shown in Figure 5.1.2.

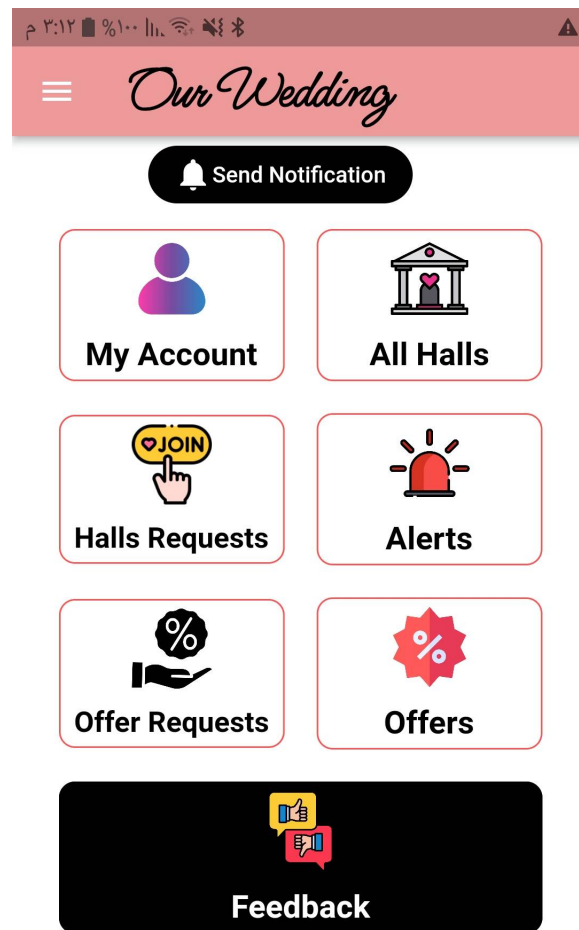


Figure 5.1.2: Admin page

my account button:

By clicking on my account button, the admin can edit his profile information and add a new admin. as shown in Figure 5.1.3.

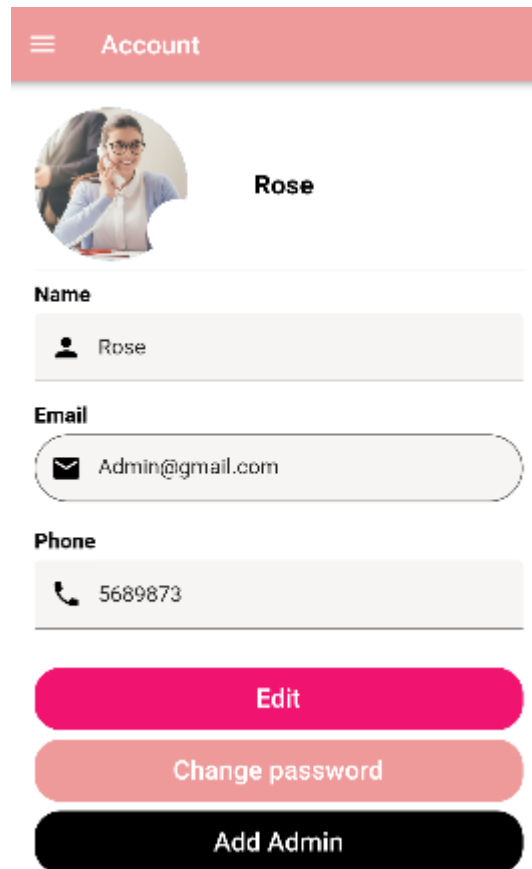
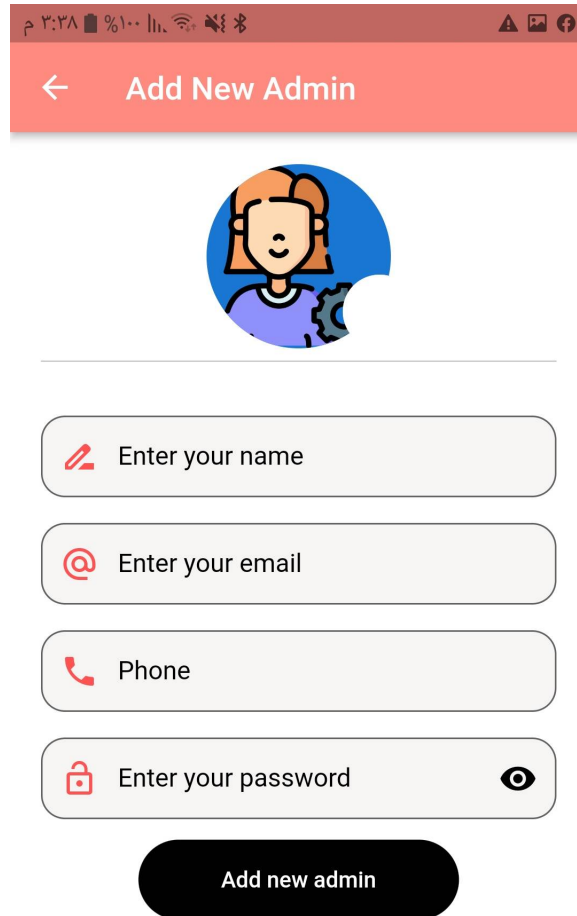


Figure 5.1.3: my account button

Add admin :

By clicking on the Add Admin button, the admin adds a new admin, where he fills in the information for the new admin and adds him as shown in Figure 5.1.4.



The screenshot shows a mobile application interface for adding a new admin. At the top, there is a red header bar with a back arrow on the left and the text "Add New Admin" in the center. Below the header is a circular profile picture placeholder containing a cartoon illustration of a woman with orange hair and a blue shirt. Underneath the profile picture is a horizontal line. Below the line are four input fields, each with a red icon on the left and a placeholder text: "Enter your name" (pencil icon), "Enter your email" (@ icon), "Phone" (phone handset icon), and "Enter your password" (lock icon). To the right of the password field is an eye icon. At the bottom of the form is a black button with the text "Add new admin" in white.

Figure 5.1.4: Add admin

Halls Requests :

Admin can accept or reject halls requests. as shown in Figure 5.1.5.

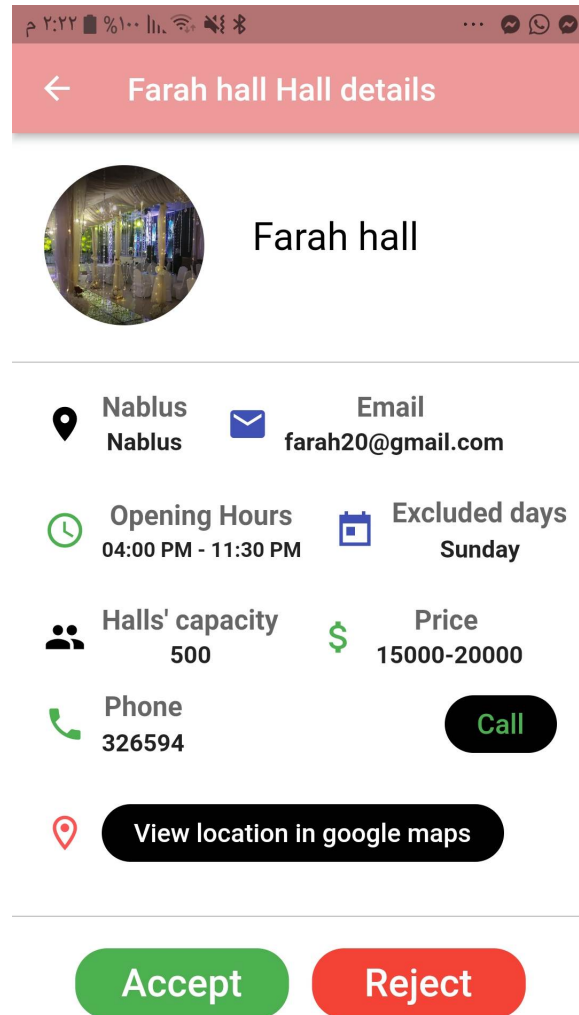


Figure 5.1.5:Halls Requests

Offers Requests :

Admin can accept or reject Offers requests. as shown in Figure 5.1.6.

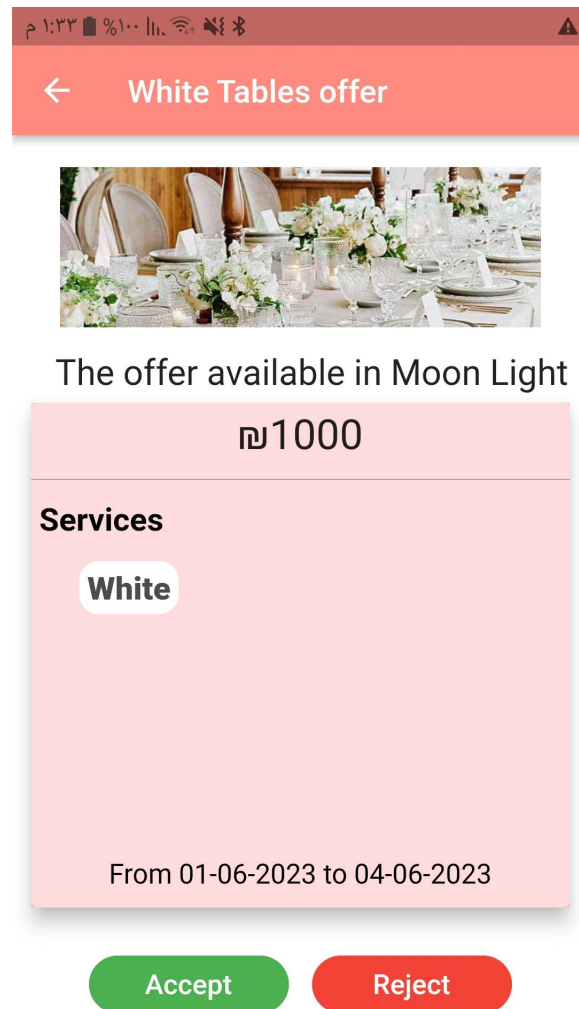


Figure 5.1.6:Offers Requests

All Halls:

The admin can see all the halls in the application, in addition to all information about them and the services they provide. as shown in Figure 5.1.7,5.1.8

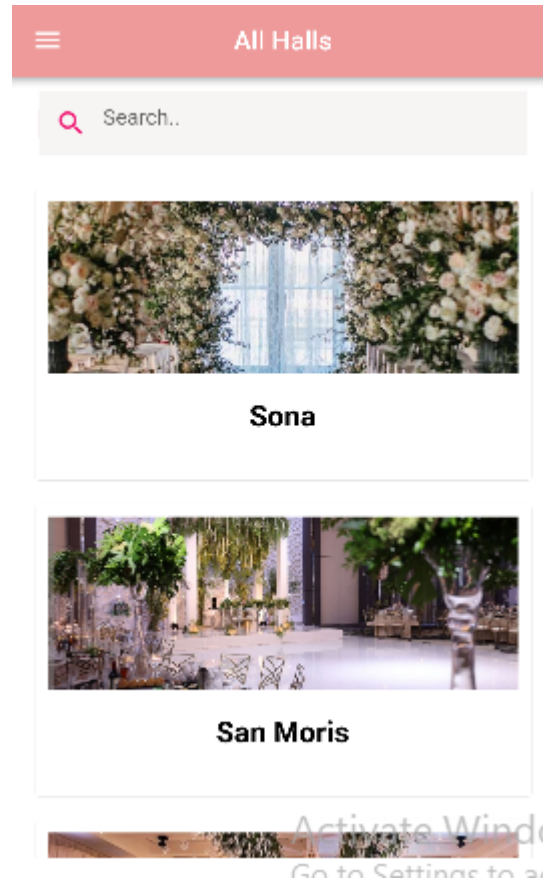
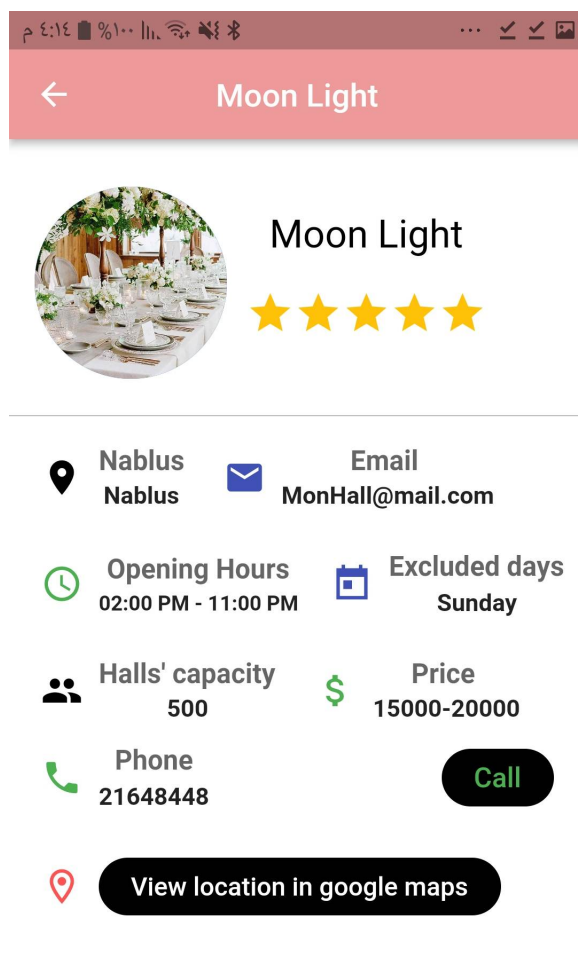


Figure 5.1.7:All Halls

When the admin clicked on one of the halls, this is the profile that will appear:



Photos:

Figure 5.1.8:Profile Hall

This section contains the photos that the owner of the hall can add :

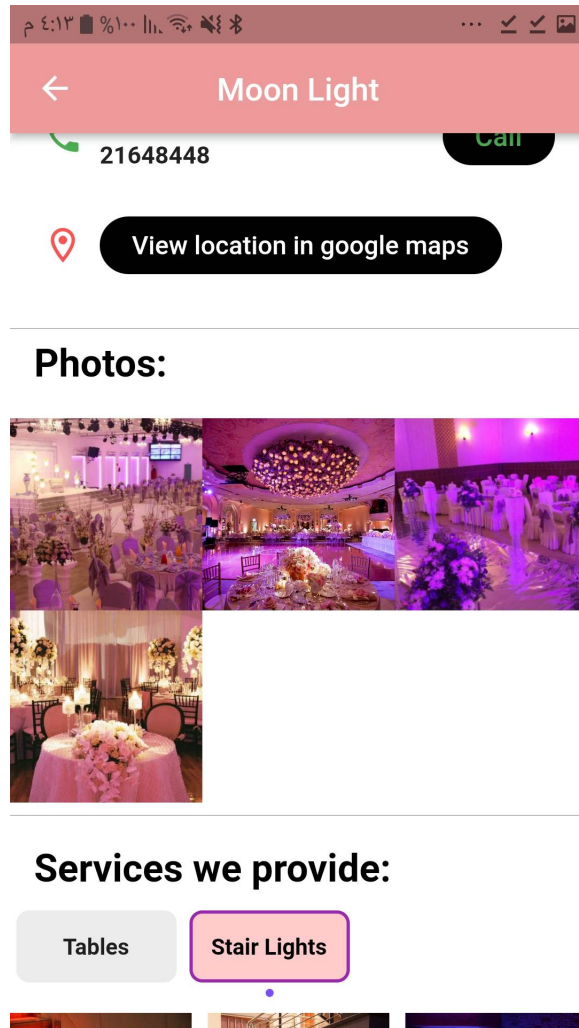


Figure 5.1.9:Photos

Here, The part that contains the services that the hall introduces:

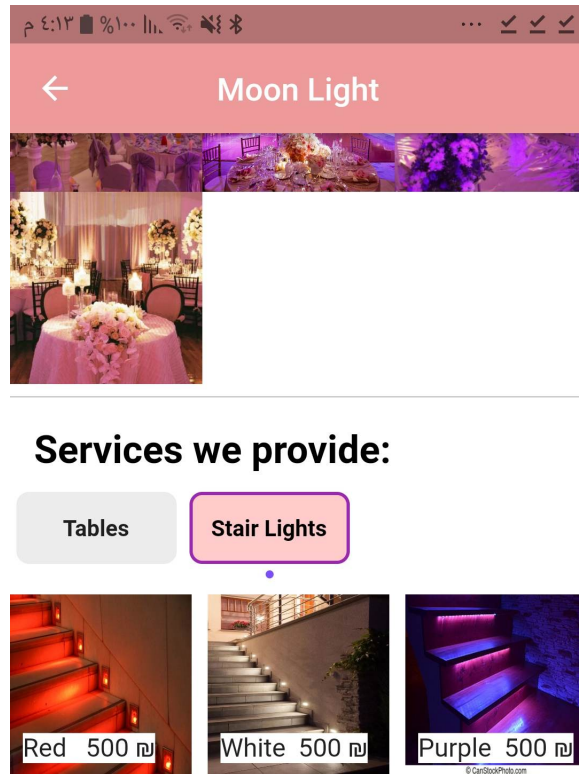


Figure 5.1.10:Services

Feedback:

This page is for the admin to know the feedback and any comments from the users. as shown in Figure 5.1.11.

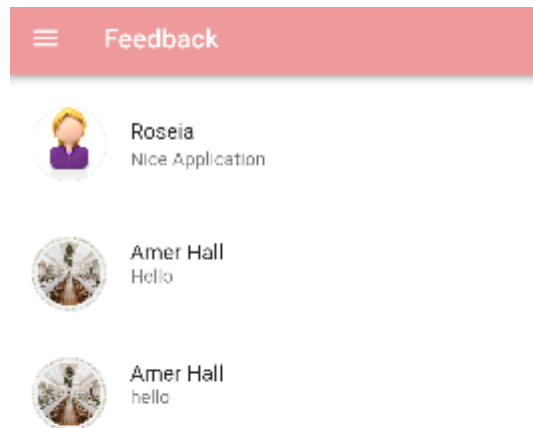


Figure 5.1.11:Feedback

Send Notification :

The admin can send a notification to the users, alerting them if there are any offers in any hall or anything else. as shown in Figure 5.1.12

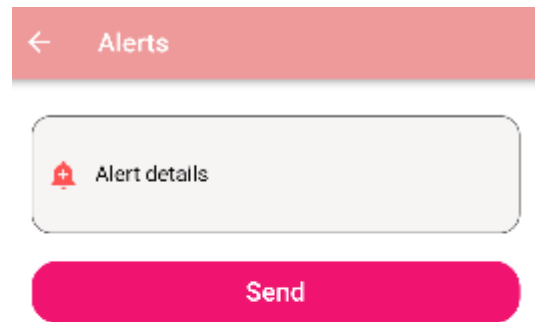


Figure 5.1.12: Send Notification

5.1.1 Splash Screen:

Splash Screen: this screen appears when a user opens the application then clicks to Next then move to login or sign up as shown in Figure 5.1.13



Figure 5.1.13: Splash Screen

Login and create an account for user

If the user does not have an account he must create an account through the sign up page ,Then he goes to the application login page by entering his email and password .But, if the user has an account then he goes to log in by email and password directly, there is a validation to check that. as shown in Figure 5.1.14 ,5.1.15

← Sign Up

roa

roa@gmail.com

03265559

Select City

Jenin


Enter your password

Continue


Join Us Hall Owner [Join now](#)

Figure 5.1.14: Sign up as default user


Sign In





Our Wedding



Enter your email

 roa@gmail.com

Enter your password

Forgot Password?

Continue

Don't have an account? [Sign Up](#)

Figure 5.1.15:login

Forgetting Password

When the user forgot his password, he can reset the password by entering the email, then a message is sent to the email to generate a new password.

← Forgot Password

Forgot Password

Please enter your email and we will send you a link to return to your account

Enter your email

roa@gmail.com

Reset Password

Don't have an account? [Sign Up](#)

Figure 5.1.16: Forgot Password

Users' Main Page

The main page consists of four main sections that you can navigate between them and they are :Home , Halls,chats and Profile. In the app bar there is an icon for the Notifications which we can see notifications from the admin .as shown in Figure 5.1.17,5.1.18

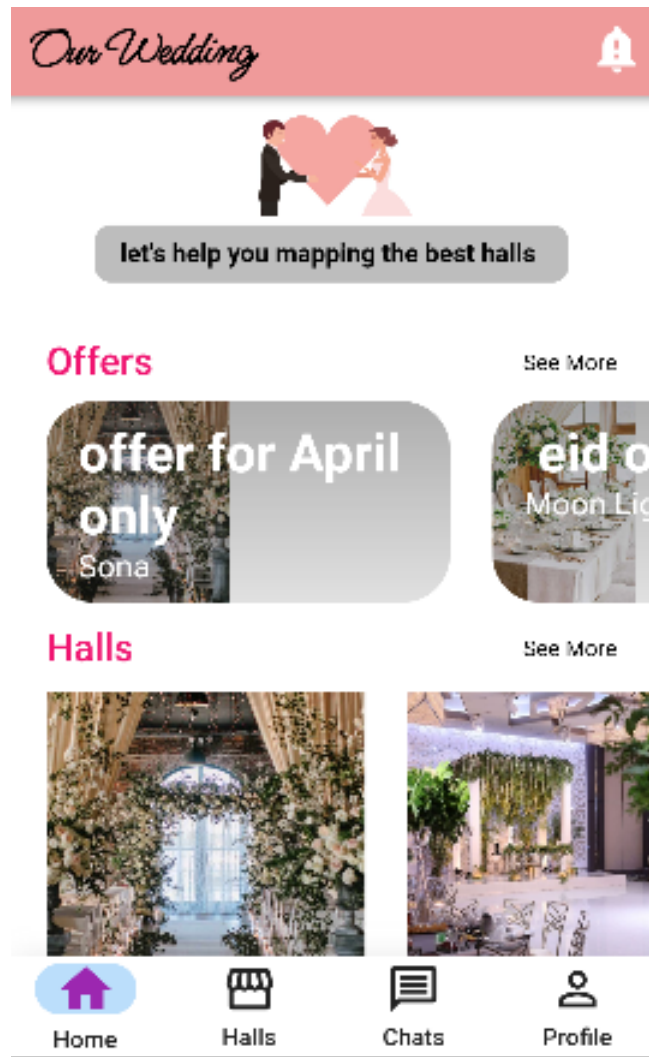


Figure 5.1.17:Main Page

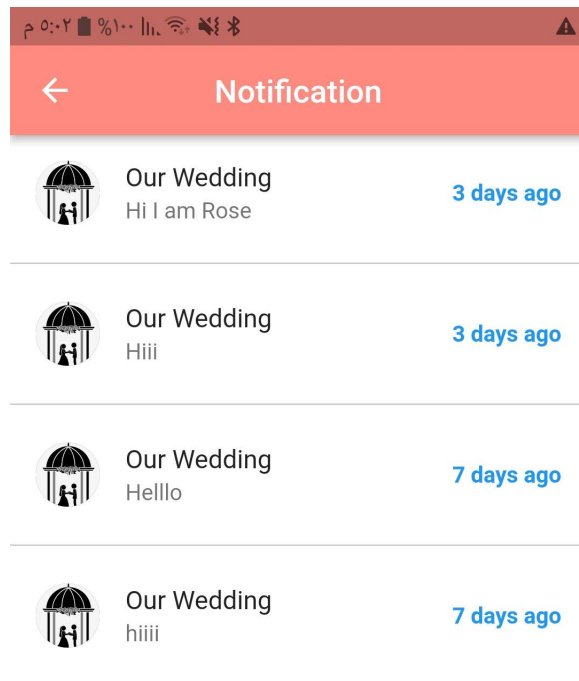


Figure 5.1.18: Notifications

Home Page

In this section, the page contains two parts: offers from the halls , and all halls which are registered in our app.

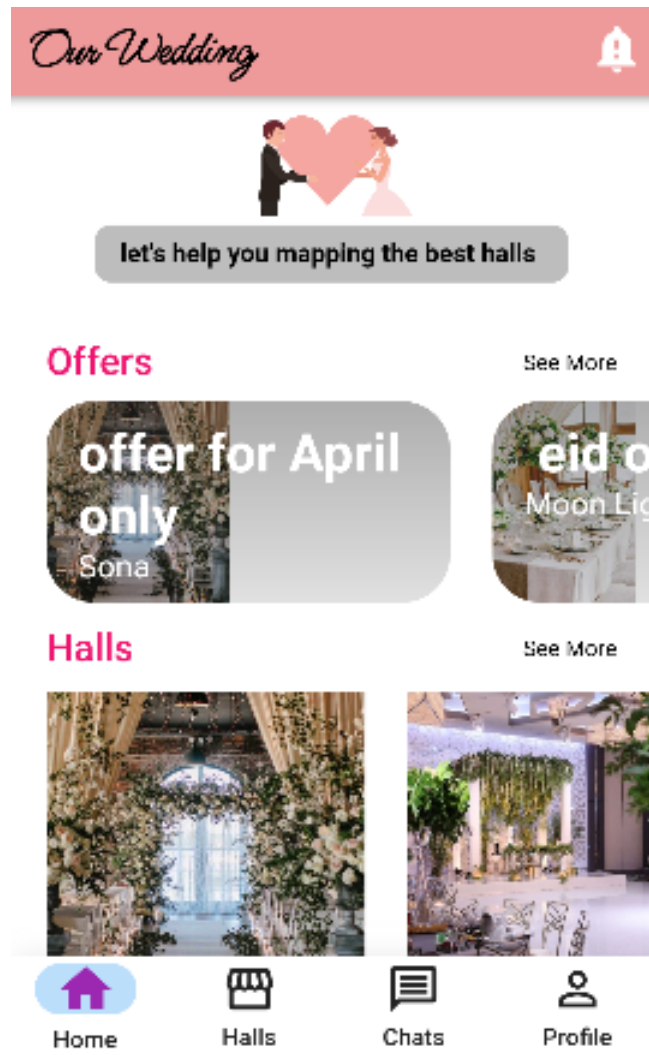


Figure 5.1.19:Main Page

Filtering and Searching

The user can search for the hall he wants by searching for its name, in addition, the halls can be filtered according to the salary range , number of guests, and city. as shown in Figure 5.1.20,5.1.21

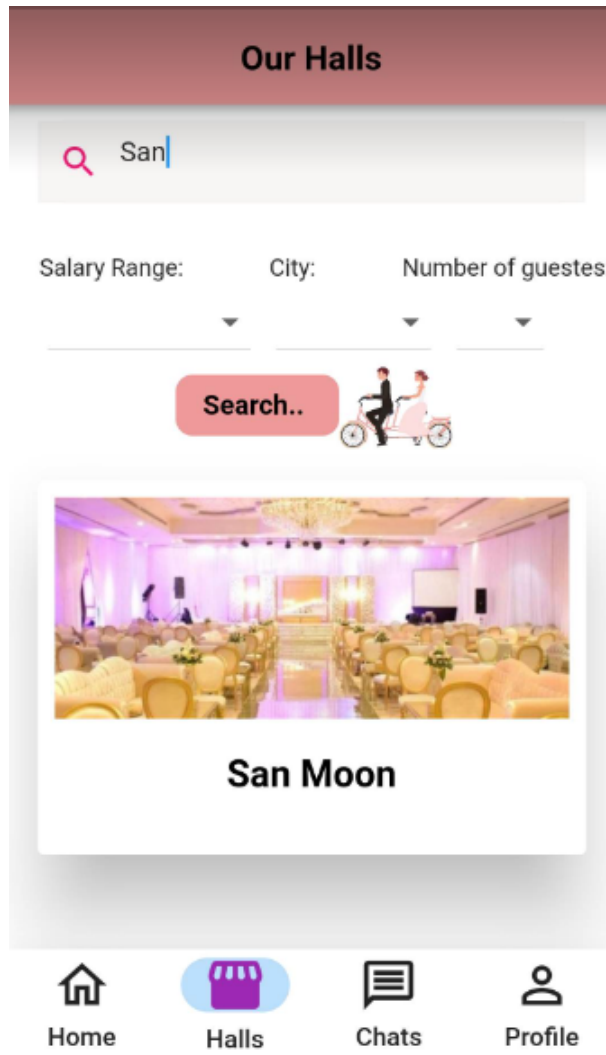


Figure 5.1.20:searching

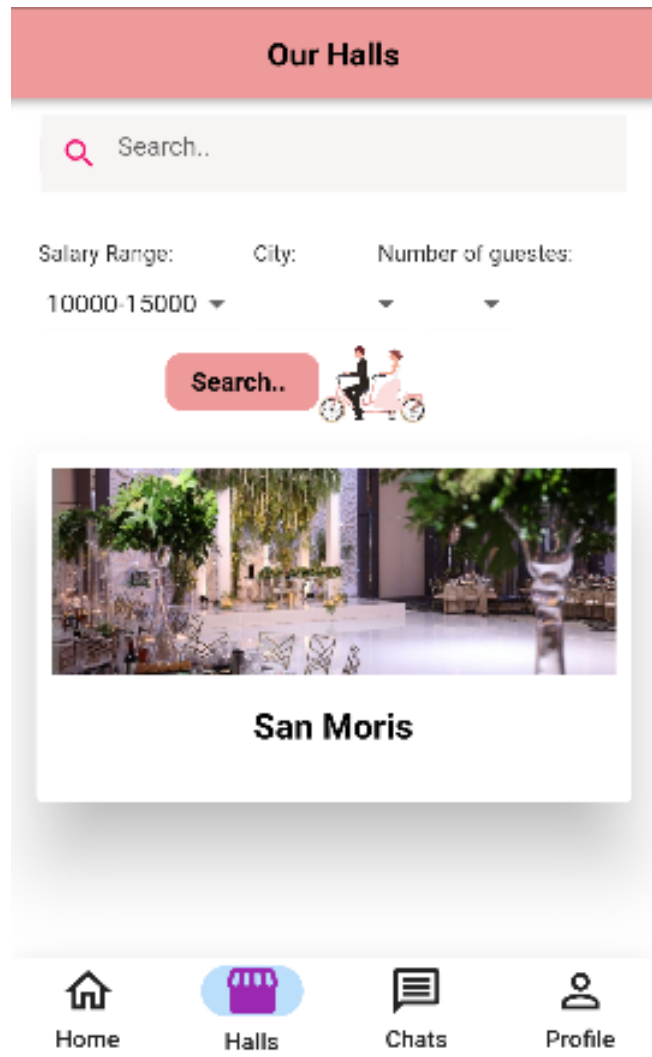


Figure 5.1.21: Filtering

Profile page

In this page, there are 5 sections, including my account, which it contains information about the user such as name, email, profile picture, city, and other personal information. Also, the user can edit his profile and change his password.

it contains reservations that the user reserved, Feedback which appears to the admin and of course he/she can log out.

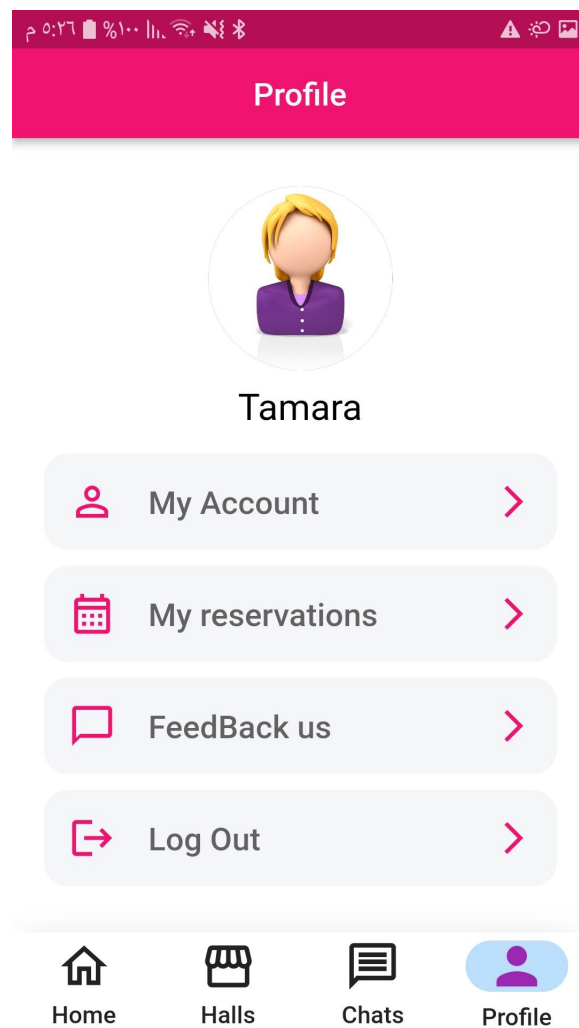


Figure 5.1.22:Profile Page

Here, he/she can see his/her profile,edit information and choose picture.

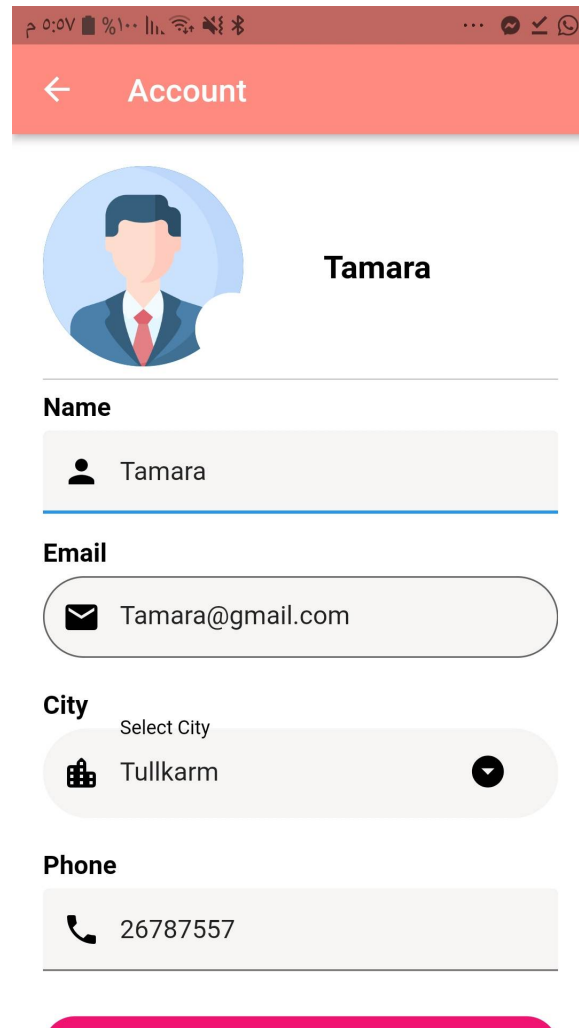


Figure 5.1.23:Edit Profile

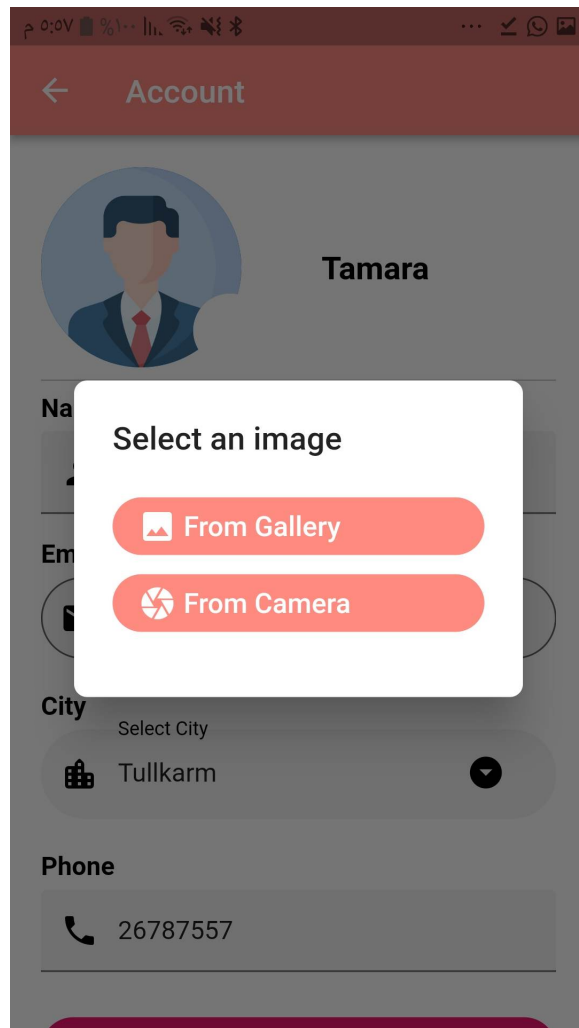


Figure 5.1.24: Choosing image

Hall page

On this page, there is information about the hall: Name, Email, profile picture, city, phone, Halls' capacity, price and opening hours. Also, images for the hall and the services provided by the hall with their prices. Also, the user can rate the hall.

There is a booking button for the user to book and make reservation for his/wedding according to the available dates that he/she can see.

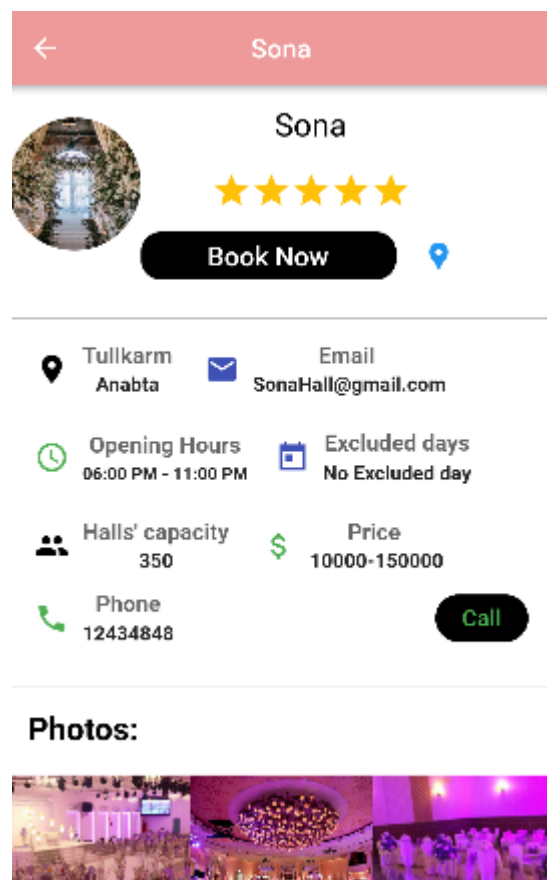


Figure 5.1.25: hall profile

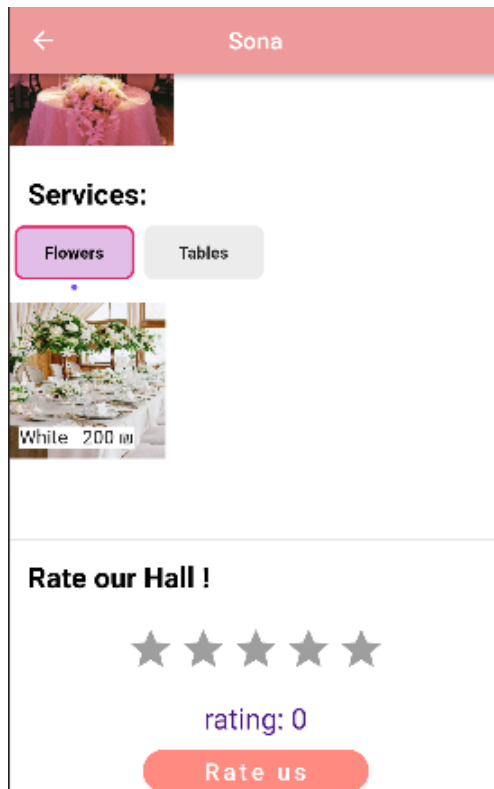


Figure 5.1.26:hall page

Booking steps

First, the user selects the services. as shown in Figure 5.1.24

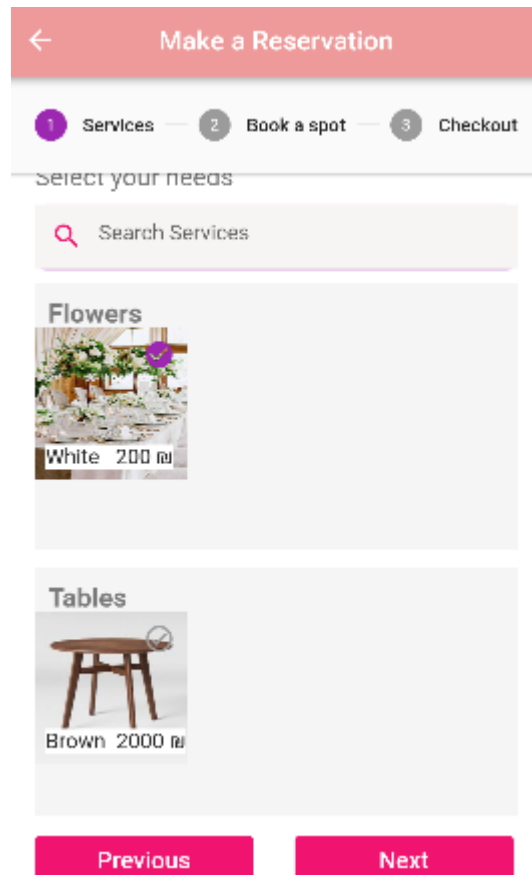


Figure 5.1.27:book

then, the user selects the appropriate time.

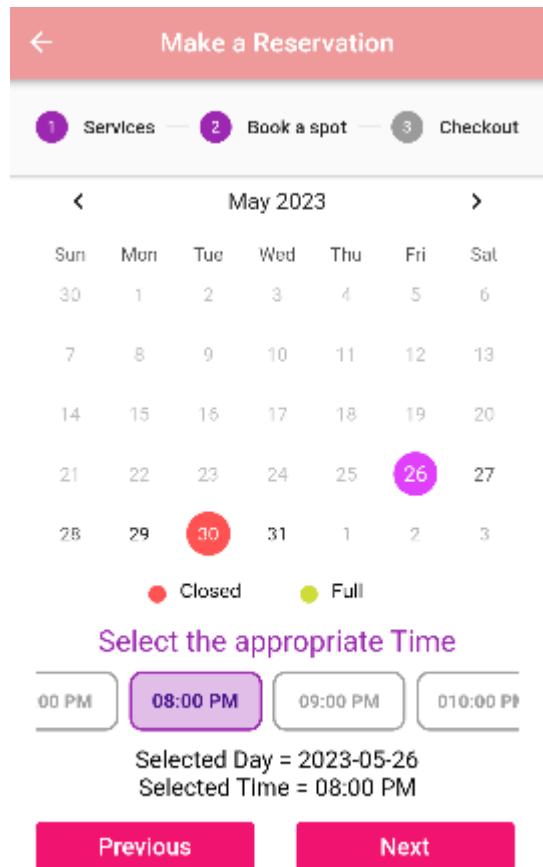


Figure 5.1.28:book1

After that, the user will see the reservation information, including the price and the date.

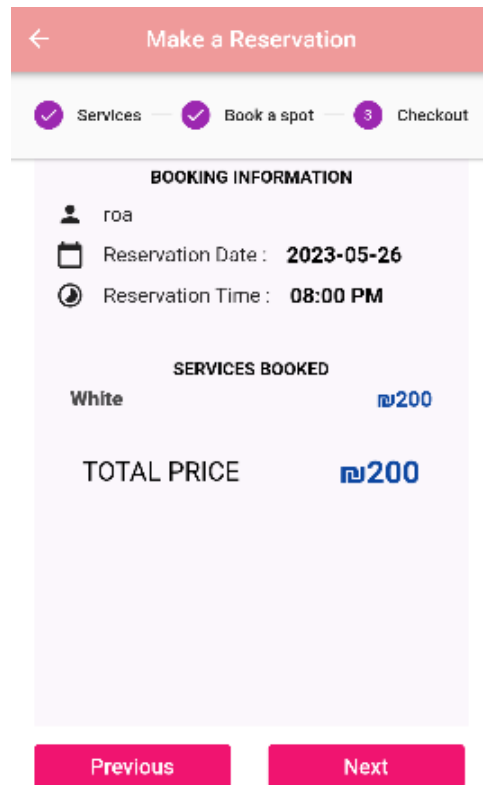


Figure 5.1.29:book3



Booking Success

[Back to home](#)

Figure 5.1.30:book4

After that, the user will see the details of his reservation in his profile, in the “my reservation” field, and he will be able to cancel it.

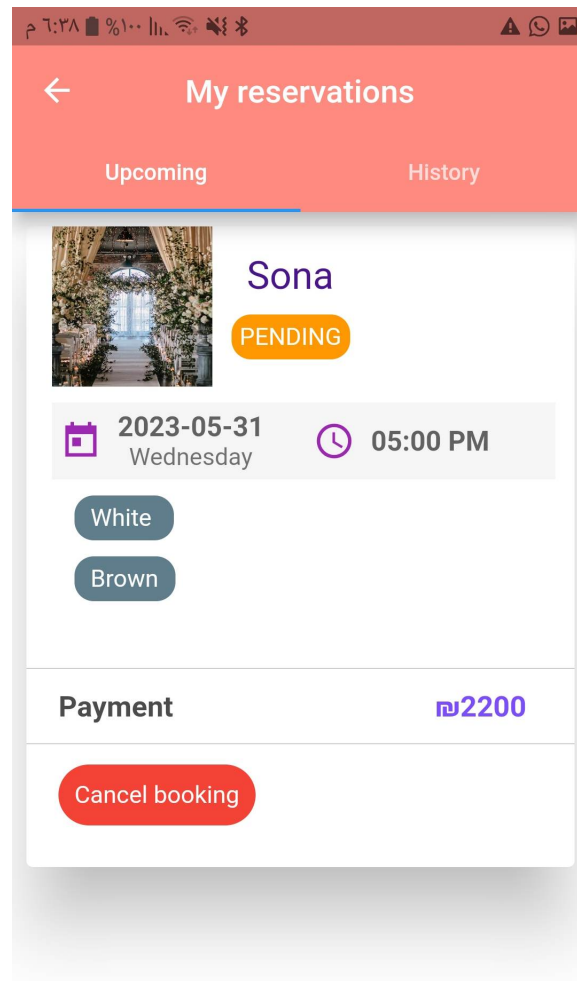


Figure 5.1.31:my reservation

chat Page

This is the chat for the user when he wants to communicate with the hall

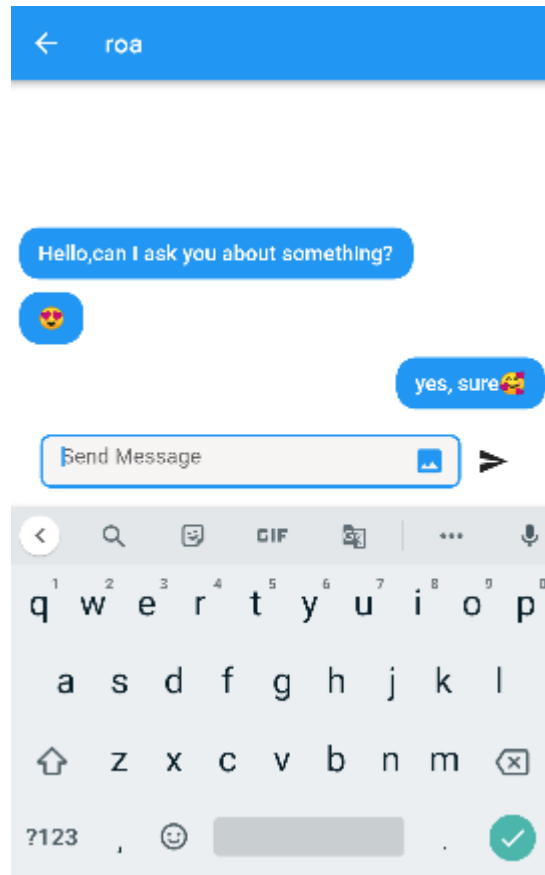


Figure 5.1.32:chat Page

Call Page

Also, the user can communicate with the hall through the call button on the hall page. as shown in Figure 5.1.30

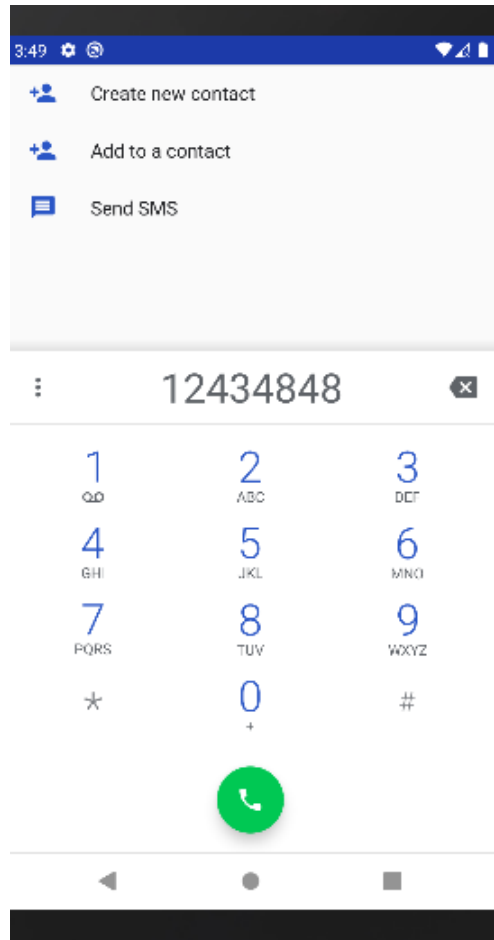


Figure 5.1.33: call

Rating

The user can rate the hall.

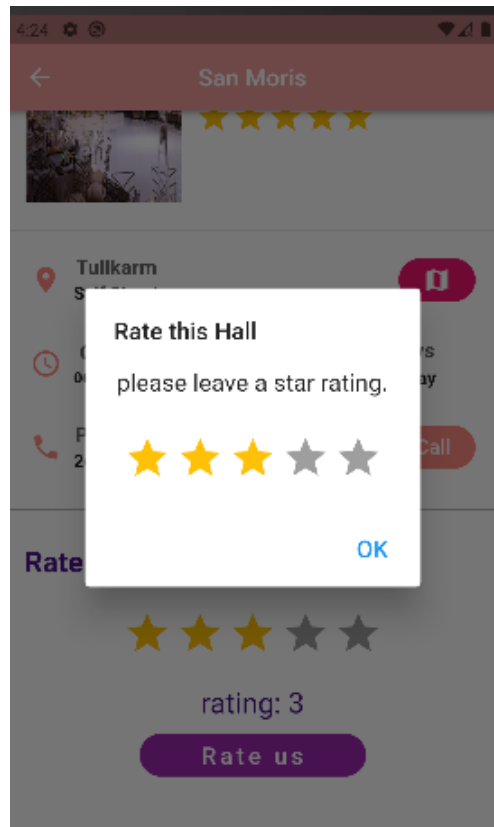


Figure 5.1.34: rate


Login and create an account for hall owner

In the beginning, if the owner of the hall does not have an account, he must create an account through the registration page for the owners of the halls, he fills in all the necessary information such as email, name of the hall, working hours, Price range, and others, Then he goes to the application login page by entering his email and password.

← Join Us

Register Hall Account

Complete Hall details



Enter your email
rosehall@gmail.com

Enter your password

Enter Hall name
Rose Hall

Phone
03264589

Opening Hours:
03:00 PM 01:00 AM
Open Time Close Time

Address

Figure 5.1.35: sign up hall

← Join Us

Open Time Close Time

Address
Nablus

Select City
Nablus

Select The range of halls' salary
15000-20000

Select The Number of guests
350

Excluded day
No Excluded day

Google maps link
rch/?api=1&query=37.4219983,-122.084


Get your current location

Continue


Figure 5.1.36:sign up hall

But if the halls' owner has an account, he can login by email and password and if they correct, he is allowed to log in to the application.

Sign In



Our Wedding



Enter your email

Enter your password

Forgot Password?

Continue

Don't have an account? [Sign Up](#)

Figure 5.1.37:login

Halls' Owner screens:

First, this is the home page for any of the Owners, he/she can add the services, make offers, see the reservations and communicate with users.

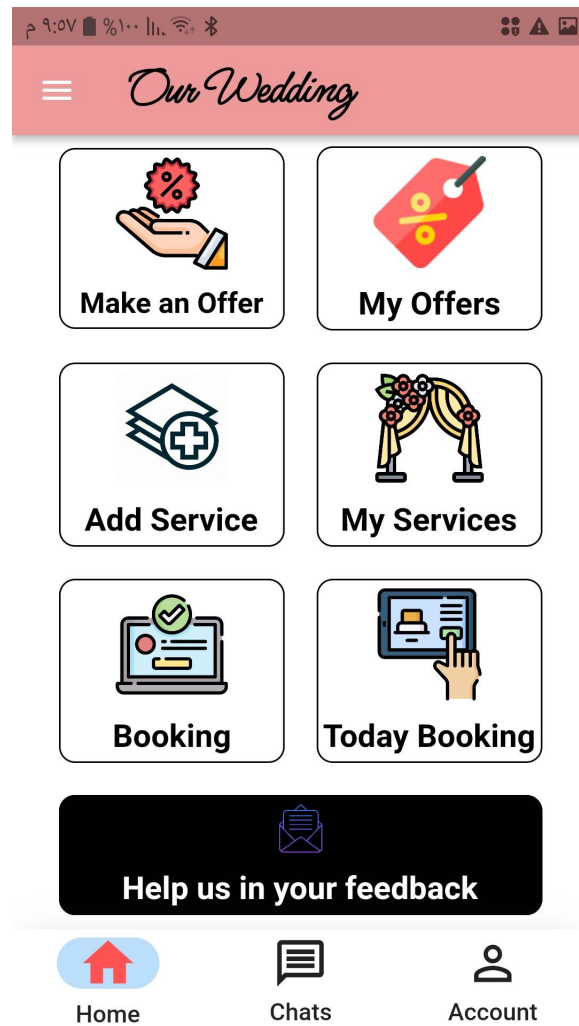
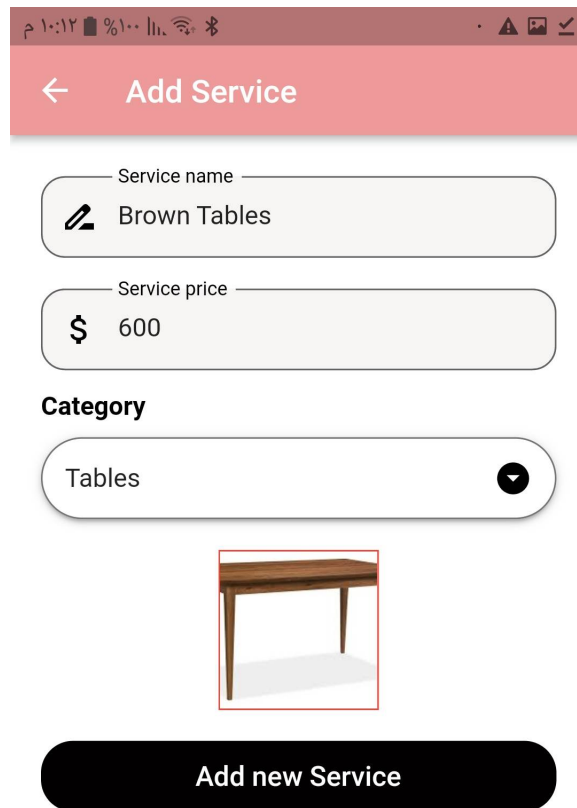


Figure 5.1.38: Halls' Owner screens

He/She can add services using this page, he/she needs to add name, price, category and picture for these services:



The screenshot shows a mobile application interface for adding a service. At the top, there is a red header bar with a white back arrow and the text "Add Service". Below the header, there are three input fields: "Service name" with the text "Brown Tables", "Service price" with the text "\$ 600", and "Category" with the text "Tables" and a dropdown arrow. Below the category field is a small image of a brown wooden table. At the bottom, there is a black button with the text "Add new Service".

Figure 5.1.39: Add service

In this section, he/she can see all Halls' services:

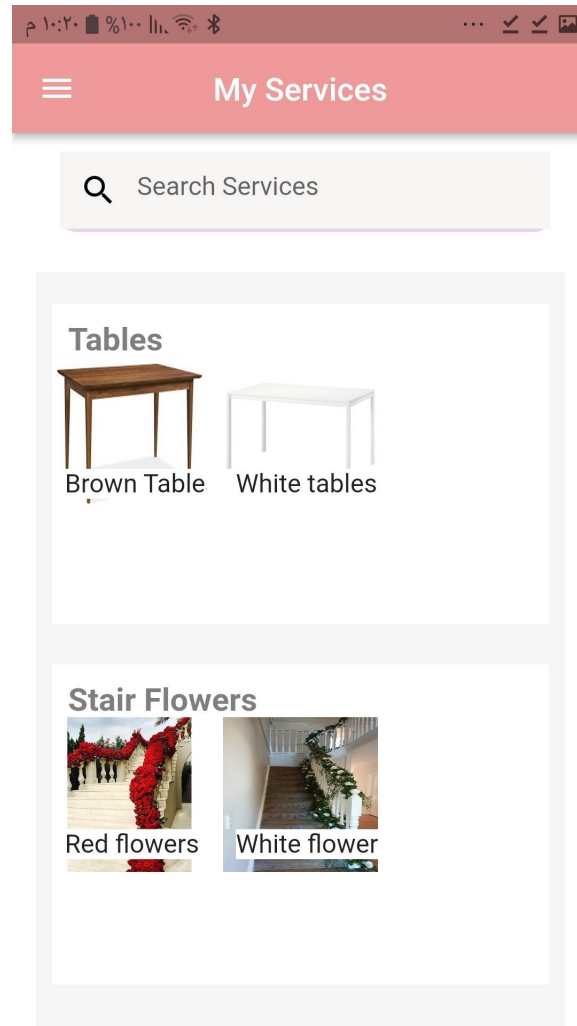


Figure 5.1.40: My services

He/She can make offers also on a service that he/she choose from the added ones:

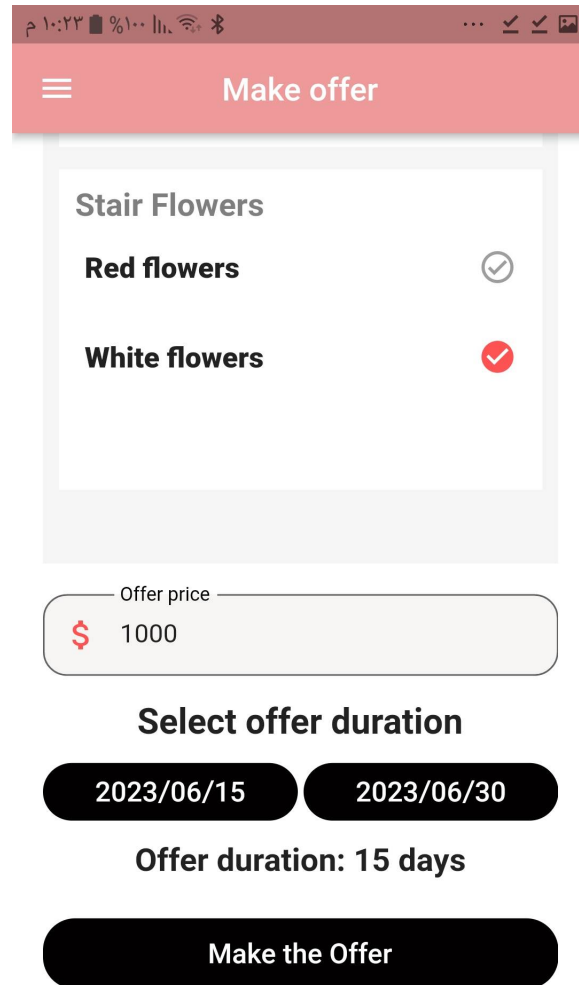


Figure 5.1.41: make offers

He/She can see all the reservations:

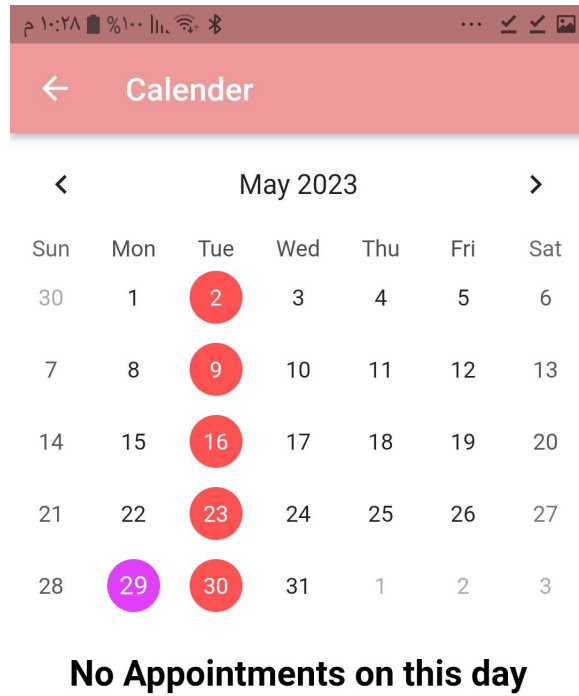


Figure 5.1.42: Reservations

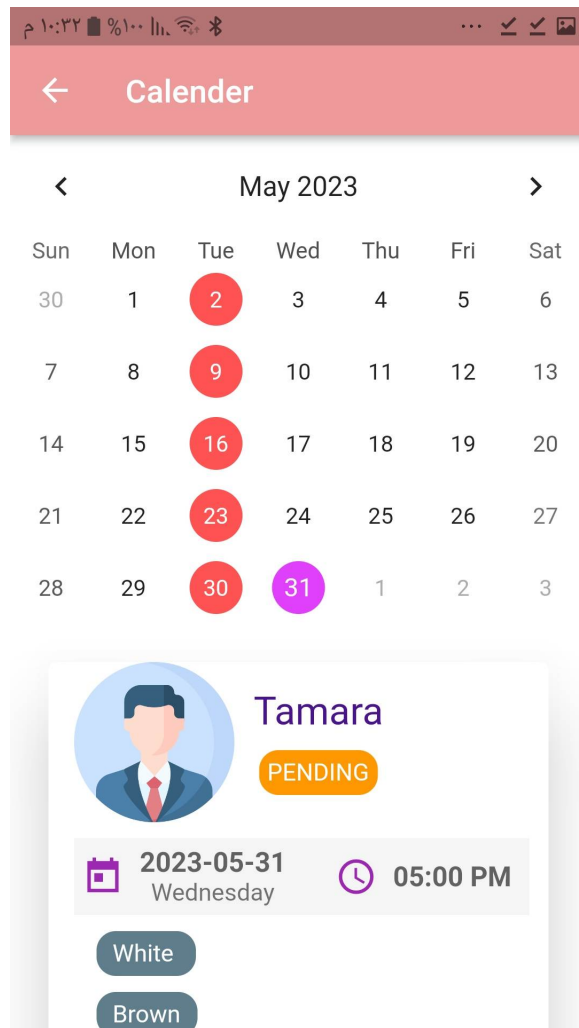


Figure 5.1.43: Reservations

He/She can make chat with users and communicates with them easily via the app:

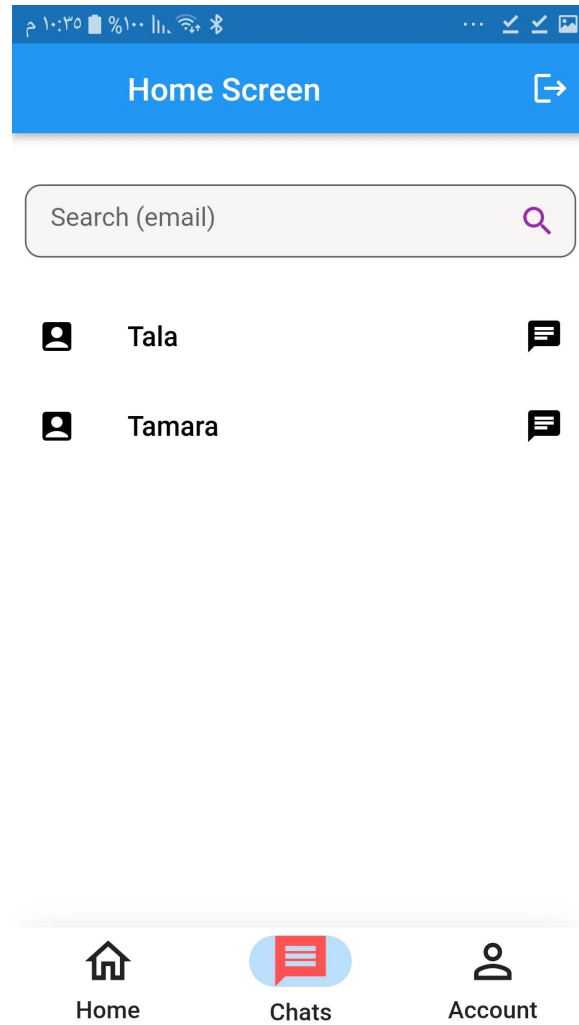


Figure 5.1.44: chat

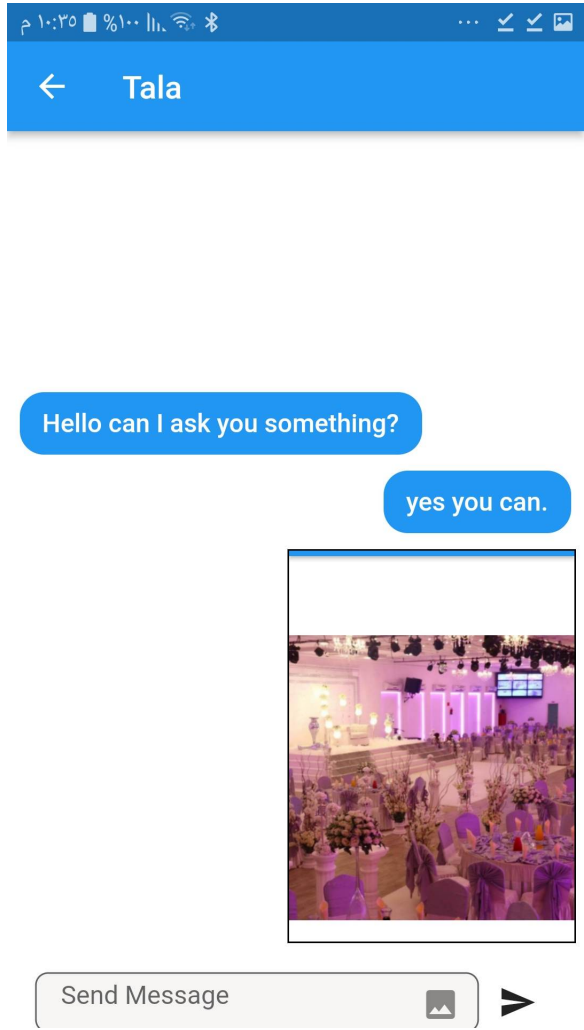


Figure 5.1.45: chat

6 Results and discussion

So, the problem that make us implement this project is the difficulty for the bride and groom to find best halls that suits their needs.

through our app, they can see and discover all the halls and their services, chat with Hall's owner, see all the available days, and make reservations in an easy,clear and comfortable way.

On the other hand, our application make it easy for hall owners to reach a larger number of people, see all the reservations, and see all the services and requirements that the customer requested in one place in an easy way.

7 Conclusion and recommendations

7.1 Conclusion

This project has many features that make the using of the app easy and saves time and effort for the bride and groom and halls' owner. We were very enjoyed through working on this project, we've learnt new languages Flutter, node.js, treating with mongoDB, handling Firebase, We've got much experience and skills.

7.2 Recommendations

. Before starting the project, we did not know any of the languages that we learned, but honestly they are easy languages to learn, and we encourage learning them and using them in projects. Flutter language really simple to learn and has all the packages that we needed to complete the project. Moreover, it can be used in applications that run on more than one mobile operating system.

7.2.1 Future work :

- 1- Adding new type of users for example: Party coordinators, Cake restaurant owners and make Networking with hall owners.
- 2- Nearest hall for the users using google API.

References

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