Halls Reservation: A smartphone application that improves wedding hall reservations between customers and wedding hall owners

This project is submitted to the Department of Computer Science at Umm Al-QuraUniversity of the requirements for the degree of Bachelor of Computer Science.

Abstract

Many grooms are looking for a place to hold their wedding or engagement party, or as some call it the night of life, so they are looking for a hall or hotel to hold their ceremony.

The wedding hall project is simply a project that provides a suitable place for parties and weddings, as well as provides all the necessary needs for a party or joy.
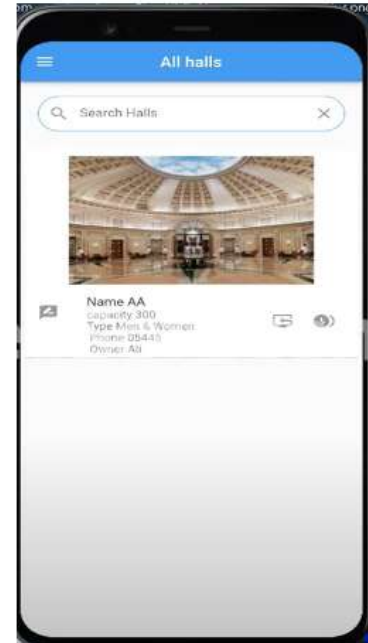
The activity of this project is not limited to engagement or wedding parties only, but extends to all the happy occasions that the owners would like to celebrate outside the house.

Problems and solutions

In our society we sometimes have problems booking wedding halls. Hall owners have a hard time communicating hall information to customers and waste their time searching for different locations and price differences from person to person and from time to time.

solution

We want to develop a mobile application for wedding hall management, easy to use and smooth, that can be used from any device and from anywhere. The program offers integrated features for managing wedding halls, the most important of which are reservation management, a simplified accounting system, a general statistical panel, the issuance of reports, and many other features.

Introduction

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Methods and Materials

Customer just have to download the app, look at the available dates, then book
The customer first reserves the hall for the available date, then the room owner receives the reservation request, and then pays the deposit specified by the hall owner.

The application is on Android and IOS and we will use:

- Dart programming language
- Flutter
- Firebase Databases
- Braintree Gate
- Android development environment
- Internet for communication between users.

Conclusions

Nowadays with the improvements in halls booking, we can see bookings are easier in our communities in terms of ease of booking from one place to another.

Among the most important expected results when applying the hall reservation on the ground:

1- Halls use this application to determine income and increase the number of customers

2- Save time and effort by using photos and videos to explain to the customer.

3- Saving effort and time for the client.

4- Knowing the reservation prices at times of events and vacations.

5- Reservation of halls has become safer for customers.

In the future we can add more

1- Adding more languages to the system user interface.

2- Expansion in all cities of the Kingdom.

3- Developing software for more operating systems