



# Android App for Special Occasion Moments

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**Abstract:** According to the latest survey of Statista website there are around 3.8 billion android users worldwide. The application is a solution to a problem as it provides an integrated common platform to solve an issue with planning an occasion. Special Occasion moments is an Android Application where the user can book and experience the products just to surprise the loved ones on any special occasions. Primarily the user must login into the application to avail all the services. It consists of experiences that is blend of Royal decorations, Quality fun activity, Designer cakes, Personalized gifts, Ambient Venues, Exclusive Cuisines, Photo-shoots and After-movies plans for making it easy and affordable for everyone. All brought together for a perfect surprise for making it easy and convenient for everyone. The user will be provided with different menu options like Packages, Venues, Special Occasion Products, wallet and orders. These experiences consist of three packages namely Mega bite, Giga bite, Terra bite. Each package consists of multiple venues where customers can choose their choice of venue and experience the special moments with the loved ones. As there no such common platform where user will get all kind experience under a single platform, but this application provides all the facilities to surprise the loved ones. Tools used for building the application is Android Studio, Java, Junit and firebase which is used for backend storage.

**Index Terms – Android java, Firebase, Android Smartphone Device, Special Occasion.**

## I. INTRODUCTION

Special occasion is an android application to access online store where the user can book and experience the special moments or buy products to surprise anyone on any occasion. The application provides the facilities like royal decoration, quality fun, designer cakes, personalized gifts, ambient venues, exclusive cuisines, photo shoots and after movies plans.

The experience will be in affordable price which comes in three exclusive packages, where surprise element varies according to the price, just the customer needs to select the packages, chose the venue and date & time.

## II. LITERATURE SURVEY

There are many applications which provide these kinds of services where user needs to book the event in different application, since every now and then event is organized it's a blooming area. In the past 10 years the growth of the events is gradually increasing without a down fall. These studies indicate that special occasion is more favorable for users which can generate a revenue.

**Some existing applications are: -**

The paper [1] is a web-based application for which is used of scheduling and booking an appointment for the parlours, hospitals and architects within the geographical area.

The paper [2] provides the important household services which are required in our daily life's and if provide different product and services like repairs, cleaners, laundry and many more.

The paper [3] is an android application where user can book a conference hall for the important business meeting as well international IT online meeting. The user must schedule the meeting as per the needs and finish the meeting before the end time.

The paper [4] is a web-based application where user book a wedding hall without going into the destination and it will be easy to the user to check whether the hall is vacant on that day or no.

The paper [5] is an android based application where user can book and reserve a hall according to their preferences and user can check the availability on the given application and book accordingly.

The paper [6] is a web-based application developed to manage and plan the events like weddings, festivals, birthday party, etc. The user must login first to check all the functionality and the user can select the date, time and place of the event.

The paper [7] is an online event management application designed to manage the different like festival, dance show, conference, etc. It provides the platform where user can book an experience the different event type.

The paper [8] is a web-based application system where user can book and schedule the online meeting with the doctor where user can freely talk with the talk without waiting in the queues for taking up the appointment physically.

The paper [9] is an IoT and cloud-based technology system where user can book the car parking services in different part of the city to avoid the difficulty of the finding the parking of the car.

The paper [10] is a web-based appointment system where user can book and have a video appointment with the doctor using the web technologies. The user can schedule an appointment online and consult a doctor on a video call instead of normal meet.

### III.PURPOSE

The main aim of this application is to make the users happy by providing all the facilities for the occasion and make the occasion memorable. User can select any package that is available and book the date and time of the event according to their choice and the user can view the event status too and can provide feedback for any changes required. User can also buy products in the store. Admin can update the event details and check user details who have booked for service. Once the event is completed the customers will be provided with complementary products with respect to the package of their choice.

### IV. METHODOLOGY

The android application is designed using the object-oriented approach as the android application will be developed in small modules that combine both data and process, and the application will undergo continuous design, adaption, and maintenance phases. The application consists of various modules like Packages, Venues, Special Occasion Products, wallet and Orders. In Package module there are 3 packages and each packages consist of different services and with different amount, the second module is the Venue in which the user can select the venue according to their choice, the third module is the Products in which it contains all the special occasion products where user can choose and order the products according to their choice, the fourth module is the wallet module where user can add the money to buy products as well as to book the packages, the fifth module is the Order module where the user can check the orders what they have ordered. All brought together for the memorable surprise.

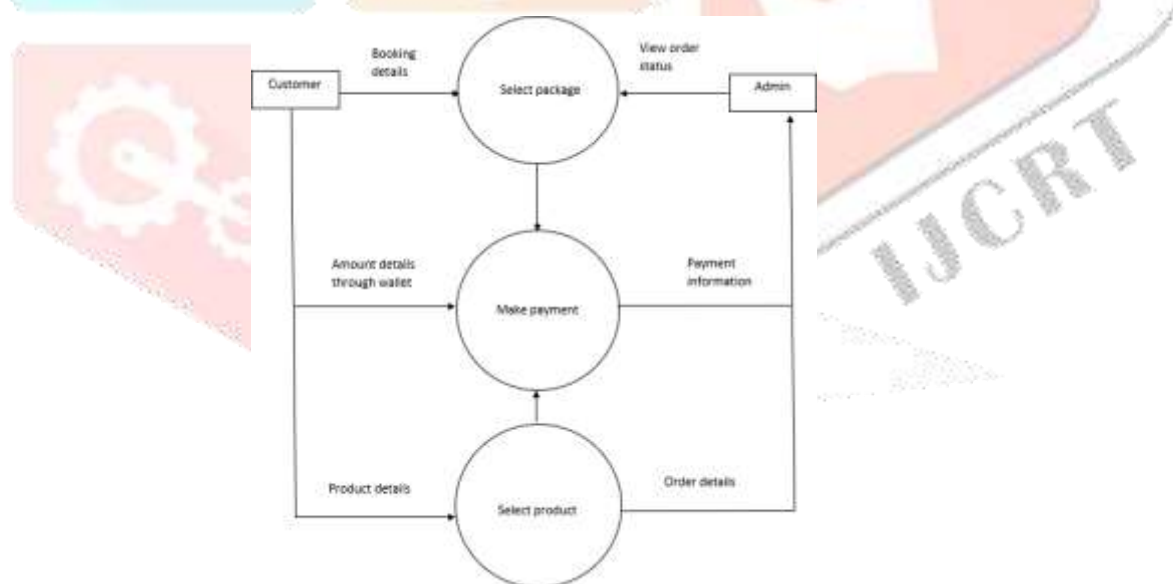


Figure 1. Proposed system workflow

Figure 1. Describes how the external entities like customer and admin access the application features, each of these features are shown in process. The customer will book an event by selecting the package and make payment through wallet. The customer also allowed to buy product by selecting the product instead of choosing a package. Admin will get the booked order details, payment details and the status of each orders.

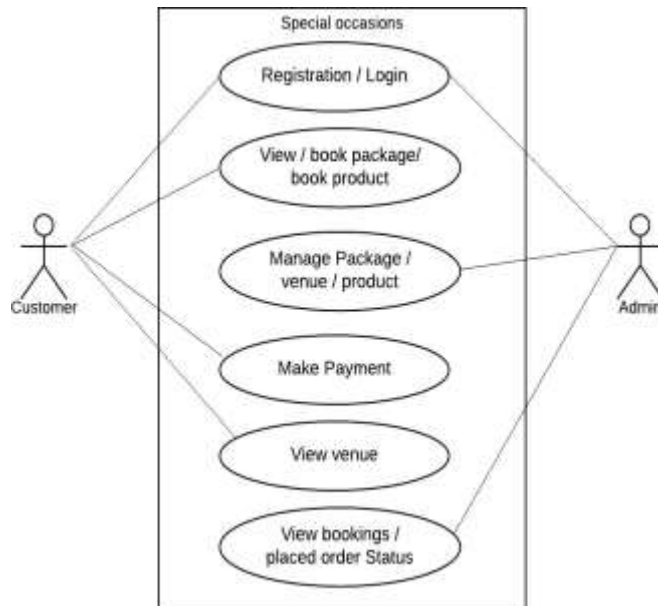


Figure 2. Use case diagram of the proposed system

Figure 2. Describes about the two actors i.e., Customer and Admin. Customer can view, or book packages and he can view venue details from the application. Admin can manage package, venue, and product, and he can view all bookings.

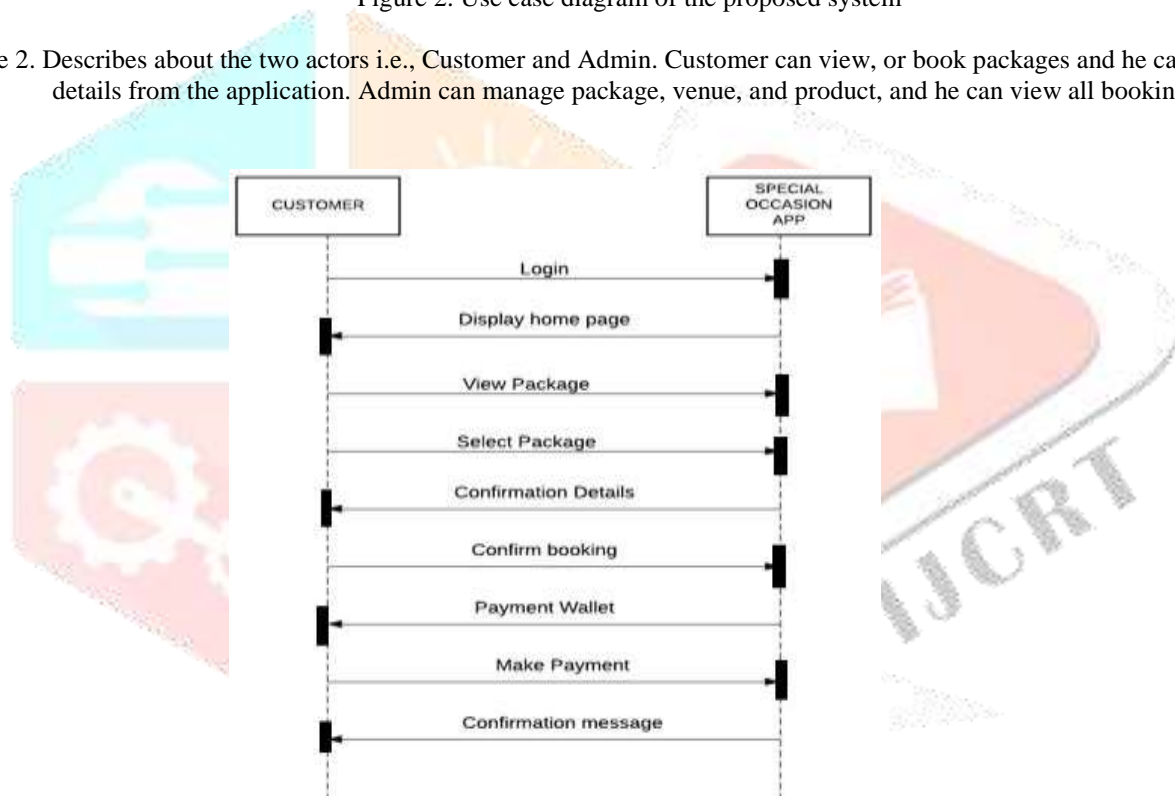


Figure 3. Sequence diagram of customer interaction with application

Figure 3. Shows the series of interaction between customer and the application. Customer login to application to book an event. User will be allowed to choose either any package or a product. After he confirm booking, he will be allowed to make payment.

### V. IMPLEMENTATION

The application is developed using java and tools used is android studio for front-end and firebase for backend. These are some screenshots of the application.

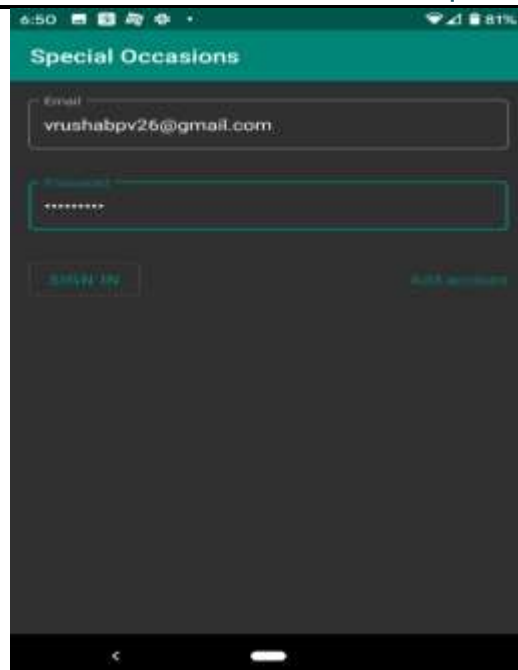


Figure 4. User Login Page

Figure 4. It is a User Login Page where user must login to get into the application Homepage.



Figure 5. User Home Page

Figure 5. It is a User Home Page where user get all the details of the application.

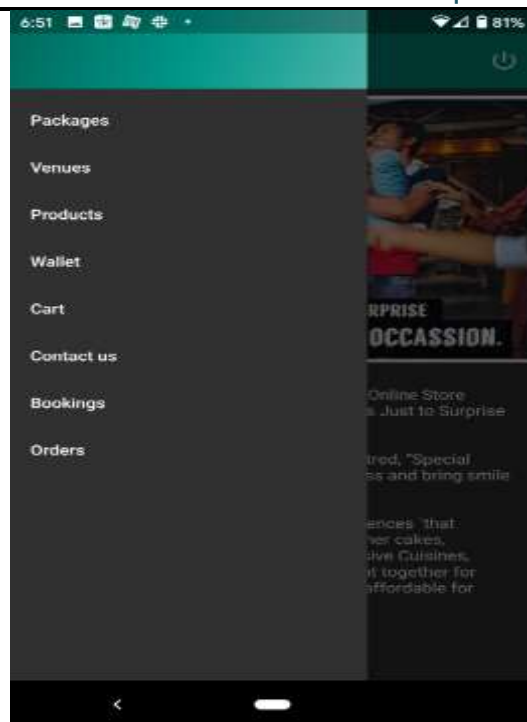


Figure 6. Different Menu Options

Figure 6. It consists of different modules like packages, different venues, special occasion products, wallet and orders.

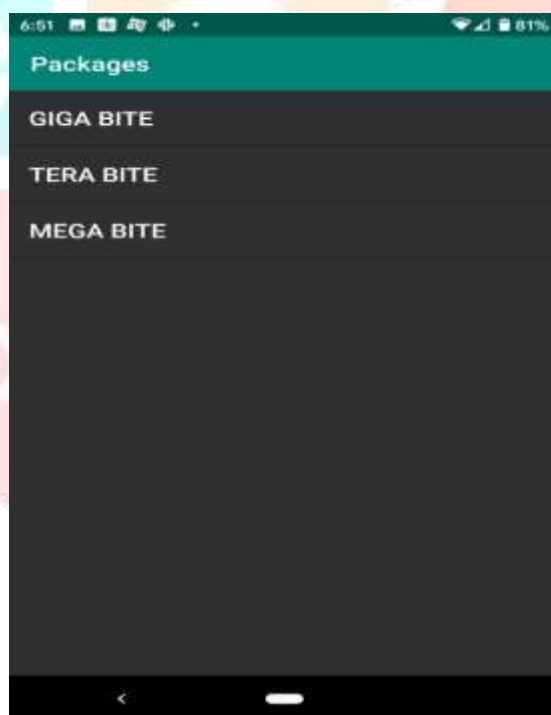


Figure 7. Different Packages

Figure 7. The application consists of different packages and each package have different services in it with different prices of each package.



Figure 8. Services of Giga Bite

Figure 8. These is one example of one package where it includes different services like cakes, chocolates, flowers, etc. These all brought together for a special surprise.

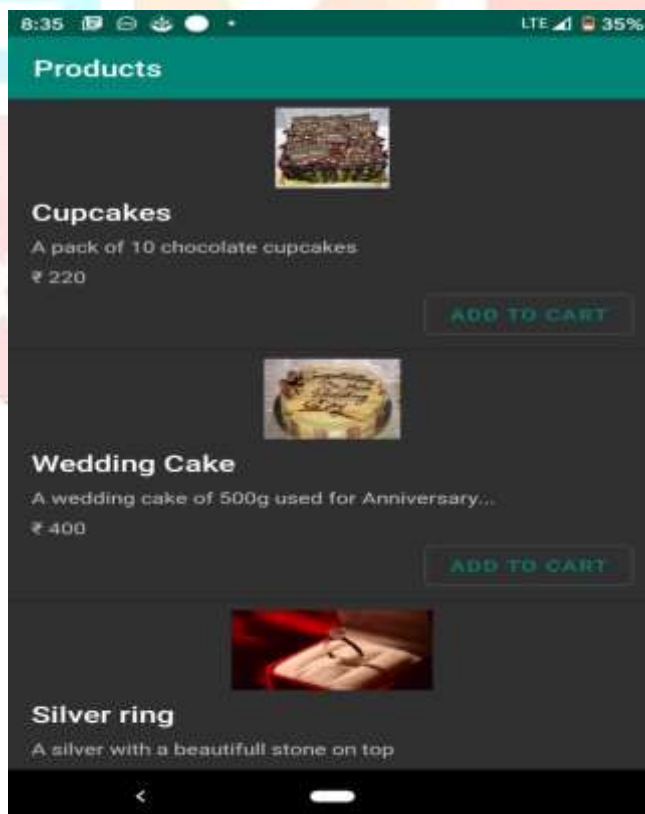


Figure 9. Special Occasion Products

Figure 9. This module consists special occasion products like cakes, rings, chocolates, teddy bear, etc. The user can buy the products by putting it into cart and ordering it online.

## VI. CONCLUSION

The main intention of this special occasion application is to provide services to customer who books for event on specific occasion or to surprise their beloved ones with gifts or products available in the online store. The application has been developed with user friendly features so that any non-technical user can use the application to book a service easily.

## VII. REFERENCES

- [1] V. Akshay, "bookazor - an Online Appointment Booking System", 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN).
- [2] N. M. Indravan, "An Online System for Household Services", International Journal of Engineering Research & Technology (IJERT) 2018.
- [3] Mutake R.N, "Conference Hall Booking System Using Android", International Journal of Advance Engineering and Research Development Technophilia-2018.
- [4] Swati Dekate, Priti Bisen, "Survey Paper on a Web Based Hall Booking Management System", International Journal for Research in Applied Science & Engineering Technology (IJRASET) 2017.
- [5] Sagargouda S. Patil, "Android Based Conference Hall Booking And Reservation System", International Journal Of Advanced Research(IJAR) 2017.
- [6] Krunal Maiske, Pooja Neware, "Review Paper on Event Management System", International Journal for Research in Applied Science & Engineering Technology 2017.
- [7] Amir Saleem, "Review Paper on an Event Management System", International Journal of Computer Science and Mobile Computing 2017.
- [8] Peng Zhao, "Web-Based Medical Appointment Systems: A Systematic Review", Journal of Medical Internet Research 2017.
- [9] Vaibhav Hans, Jatin Kinra, "An Approach to IoT Based Car Parking and Reservation System on Cloud", 2015 International Conference On Green Computing And Internet Of Things (ICGCIoT).
- [10] Cristian Cola, "E-health appointment solution, a web based approach", 2015 E-Health and Bioengineering Conference (EHB).

