

Skedule

A System for easy user access

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Abstract—In today's world the booking of the services like Spa, Saloon, Car Servicing, Car Cleaning, Restaurant Tables, and Astroturf has been time consuming if we go through the normal process of calling the respective Service provider and ask for its availability and also there is unavailability of call support of certain service provider during closed business hours. To overcome this problem of Service provider and the customer we are developing the software which will help the customer to get the best service provider of his choice near to its location and the work of the service provider will get easy due to the direct transparency of the booking hours in the application.

Keywords:-Skedule ,Cloudplatform ,Service-provider ,SaaS , Android .

1. Introduction

In the past few years, technology has expanded to a huge extent and also is being utilized in the field of transportation services. Smart phone technology is being used for decision making of the routes, for location based services and for data collection. There have been advances like e-ticketing, m-ticketing, various cards usage for metros but these advances have had their own drawbacks due to which the need for a more enhanced system is necessary. We propose an android mobile application to book the various services where you can carry your Service provider tickets in the form of Quick response code which will be saved in the smart phone. For example, if you need to book a service from your Home to use the service of the particular sectors like Spa, Saloon, Car Servicing, Car Cleaning, Restaurant Tables, Astroturf etc. then this app comes in handy where you can have access to Various service provider listed according to your nearby area, recommended and favourites to choose from in the booking process with just a touch away on your smart phone. This app uses the smart phones to book your service booked via ticket conformation appointment and delete your booked appointment once the user has used the services. The application consists of all the details regarding the schedules of Services provider, the location of service provider the facilities provided by it and many more. The payment can be done directly through the application after conforming the appointment and as soon as the payment is done, the sms

alert and the e-mail notification of the all the details of booked appointment will be received. The payment gateways provided will be through prepaid services. The service provider will also check the upcoming appointments and the availability of the services according to which it can also upload the offers for the customer which will help to increase their revenue. Also the Service provider is provided with the admin app which helps them to get the summarized booking of the entire customer with the customer details. The process of booking Services is a frequent and important activity. But the process becomes very tiresome and time consuming when there is no proper and convenient system. To deal with this problem a Smart booking system will be very necessary. Online booking system is accessed on internet by using devices which have internet connection at any time Skedule is a convenient and an efficient way to deal with this problem. The residential online system will enable people access details of Service provider The system will have all the necessary information about Service provider on one single application which accessible by anyone who wants to book.

2. Literature Survey

2.1. Detailed Survey

As our system is based on cloud platform which helps the customer to book the service of his choice with ease the booking system which is followed by the service provider include the pen and book system which is time consuming for the customer and the service provider to get the available time and book it to enjoy the use of the services. To overcome this problem the skedule app is developed to get the transparency of the booked appointments to the customer as well as the service provider which reduce the time of service provider to conform booked appointments. Also the details of the service provider will be updated by them itself which makes it easy to add new images, address, list of the facilities provided in the services. Also the detailed specification of the services helps the customer to book the services accordingly.

3. Existing System

The Traditional system consist of getting the mobile no. of the particular service provider from various social networking sites or the information provider and calling

them.at some time there would be uncertainty due to the unavailability of the service provider which disappoints the customer also if the service provider is available there can be unavailability of the required schedule of the services which makes the customer to find alternative to the respective service provider which is time consuming and require lot of manual works.

However the Skedule, provide the customer the various service provider in that area and helps to find the services required by them in order to get the best of it once the service is selected of the particular service provider which will ask to schedule its appointment according to the availability of the services over a period of time. Once the appointment is conformed it will ask for the payment option and generate a token which will be used to validate the conformed bookings.

Flaws in current system:

- The time consumption to launch applications is very long.
- Having to search through nearly 2 to 3 service provider.
- Unavailability of the service provider during non-business hours.
- Decreased visibility for the service provider.
- No Secondary availability option for the Customer for the service.

4. proposed system

Now as we have understood the existing system and have figured out that there are a lot of problems in it. So, what we propose is a solution to develop applications which will not only solve the booking problem of the customer but will also provide a platform for the service provider to increase the business revenue.

The Skedule consist of the three important parts which will help them to get the complete solution to the Booking problem:-

The Skedule app which is for the customer which allows the user to find and book the services of given service provider. It will also has the name, descriptions, location, GPS nearby Service provider , the facilities provided by the service provider, Business hours of the service , Booked appointments, payment facilities and many more.

The schedule dashboard which allows the service provider to book as well as mange the booking of the customer done online as well as the offline . It also provides the facilities of bulk booking for the desired customer. The schedule also helps to upload the offers and the other informative details which will encourage the customer to book the services. The payment is also managed by the service provider.

The Skedule Admin app which allows the manager to get the summarized details of the booked appointments of the

customer. It also provides the alert for the customer to get their booked services notification.

Requirements in proposed system

There are no requirements as such when compared to existing system. In proposed system we just need to use the existing resources effectively as all requirements for setting up the app are fulfilled as all android devices have the aforementioned sensors which will be used in designing the application.

Advantages of proposed system

- Apps can be launched quickly.
- Easy to execute/perform the Booking the services by the customer.
- No need to search through Services
- Simple to Book and pay for the services.

Explanation about our system

Given in fig. 1 is the Solution for the existing System, The system consist of the consumer mobile app which will allows the customer to search the desired services and book and pay for the services .

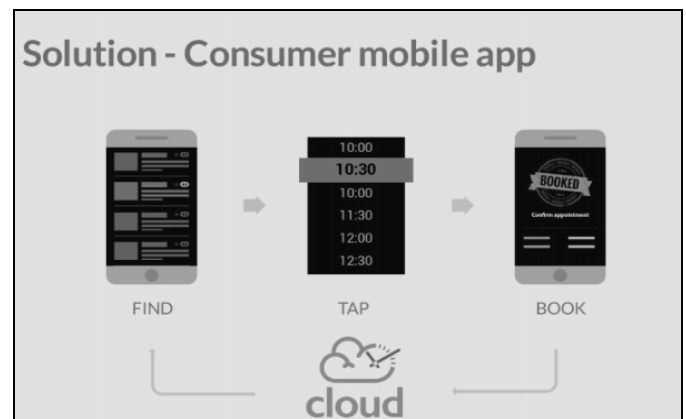


Fig-1: Solution-Consumer Mobile Application

In the next fig, the working of the proposed system for the proposed system shown. The service provider uploads and manages the respective information about the service .It also get the details analytics of the service booked to improve the business .in similar way a lot of service provider would be using the schedule dashboard through SaaS platform which will allow the service provider to manage and update information of

the services personally without interference of the third party companies.



Fig 3:- Solutions For Service Provider

The activity diagram for the process of the appointment booking is shown. The appointment is booked by selecting the desired date and time and selecting the service provider and services which the user want to use. After the appointment is booked and confirmed the acknowledgement is send to the customer as a notification.

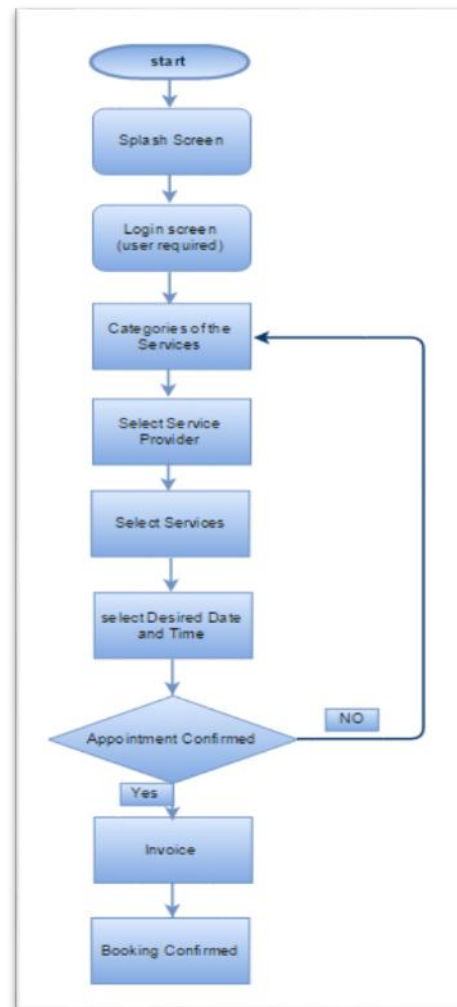


Fig 3:-Activity Daigram

Flaw in our system:

The booking hours can be min of the 30 minutes. This becomes the uncertainty for most of the services which can overcome by expanding the schedule according to the business hours mentioned by the service provider.

5. Conclusion

This research paper proposes an app will provide a better booking option for the customer to find the relevant services and also the service provider to get the more customers to increase their business revenue with the secure cloud storage.

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