

ONLINE HOME APPLIANCES INSTALLATION AND MAINTENANCE SERVICES

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ABSTRACT

Because of this covid-19 pandemic, most of the service providers like electronics, maintenance etc from all over the world became jobless. Because of this covid-19 pandemic situation many of the people have lost their jobs and service providers are also not able to provide services like electronic services and maintenance. Not only business and service providers are suffering from this situation, common man is also not able to use services. So we decided to develop a product online services which can help both service providers and customer's, where service providers can provide their services through this application and customers can take advantage of services by using this application. One of the best parts of this online service application is it's services are available 24/7 and customers will get services at their customer place.

So we have developed an android application for those service providers and their customers, where the service provider can easily provide services to the customers through this Online Service Application. The service providers should have to register first, and they have to complete the document verification by the company. After completing the document verification they get credentials and now they can start providing services to the customers. For customers they have to register first, and they will get verified through the OTP. Once the verification is done, they are ready to use the services through this application. Customers have the flexibility to choose the service based on their desired location and time slot. Through this application customers can pay through the UPI, Razor Pay, Cash On delivery as per user convenience .

We are providing the copyright policy to this Android Application. So our application would be better secure and consistent. We are allowed from android version 4.4 to above versions, so any user can easily refer to this application by any interruption about versions of android. Android Application provides more security and integrity about the database, and it manages all information in the application consistently.

Keywords:- Agile Methodology, Android studio

INTRODUCTION

This report gives detailed information about "Online Services" which is a mobile application. This application intended to help the end service providers and their customers. Because of this pandemic service providers became jobless and common people not able to get their services on time when they needed mostly. So this application will work as a mediator between them where service providers can register them-self and then can serve their multiple services to the customers and customers can easily get their work done on their desired time and location. Through this application customers can easily request for service and UPI, Payment Get way and Cash On Delivery options are available for payment.

PROCEDURE FOR TICKET GENERATION

A. Review Stage

[1] We are providing a portal in which can provide all type(i.e, fridge, AC installation) of services. Service provider can register there services and also user can sign in. Using this application service provide can provide there service online. This portal provide self-employment. And all user can book a service online and get fast service. [1]

[2] The online booking, in general, gives the customer extra information regarding the service provider, availability of the services, ticketing structure, prices, online payment and booking structure and other services rendered. Besides that, in certain service provider, handheld mobile communication may bring similar better service between a service provider and its customers [2]

[3] If any customer needs to reserve services he or she need to call them or walk in to their counter which is Consider as wasting their valuable times. Sometimes the phone line also keeps busy and customers unable to reserve services for them [3]

B. Final Stage

The final stage of this system is by entering details about source, destination, date, time & transaction details then service provider details will be able to get online notification after completion of the process within a few minutes.

A. Figures

Client's are the end user of our system. User can see

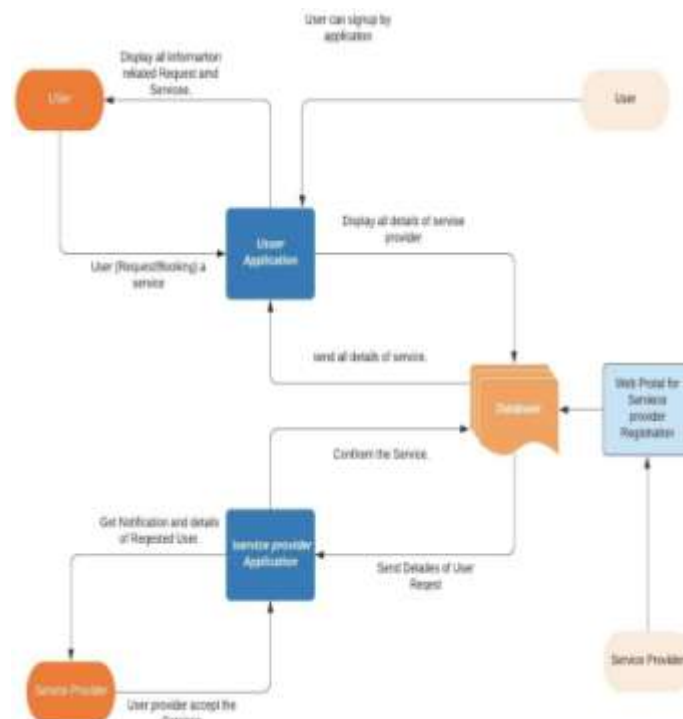


Fig 1:- System Architecture

the bus details, check availability, book the Service, fulfill the details and make payment to confirm a service, gives the notification to confirm the Service booking. Admin is super user of our system. Admin update the details and stored in the database in the system.

ALGORITHM

- STEP 1: Select the service and sub-service and go to the request page and book the service .
- STEP 2: User will see all details of booked service.
- STEP 3: Fill required details like Date, Time and Location where the user want service.
- STEP 4: Select service provider as per user request.
- STEP 5: Make online transaction by entering debit/credit/master card details like card number,

expiry date of card and CVV number.

- STEP 6: If the payment is successfully done by the Service booking is successful then User will receive notification
- STEP 7: When payment is successful and transaction is done by user, Service Provider will receive notification.

USER LIST

A. User: Admin

Admin is key user of this entire system. He is responsible person to update Services in application and generate the report. Admin will add new services, new services and he will update bus information on the system.

B. User: Application User

Here, User can able to get Notification by just entering required details and make a payment. User will be able to see timetable of the available service. To receive a notification from the payment gateway, User has to make online payment by giving bank details or also make UPI Payment. Once the successful transaction is done then User will receive message of completed successful transaction and receiving notification for Service Booking.

C. User: Service Provider

Service provider can register them self then User can see those services and request for that service. When services booking is successful, service provider generate a notification.

EXISTING SYSTEM

This report gives detailed information about "Online Services" which is a mobile application. This application intended to help the end service providers and their

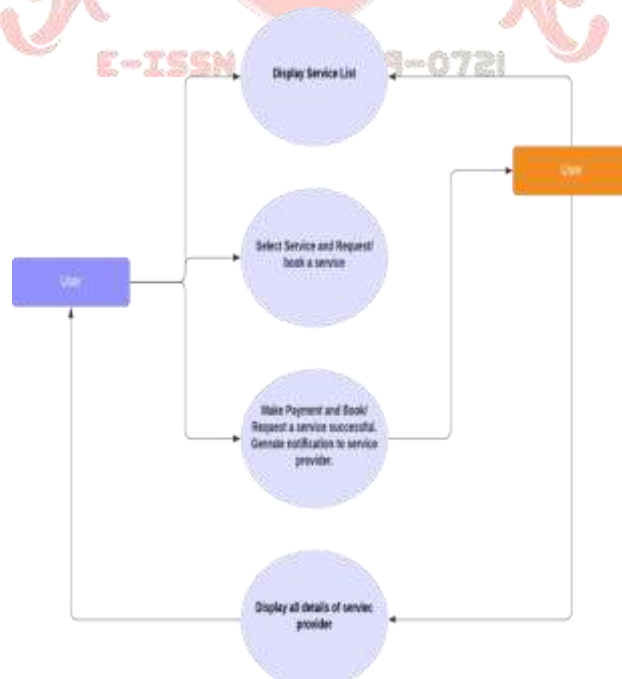


Fig 2:- Data Flow Diagram



customers. Because of this pandemic service providers became jobless and common people not able to get their services on time when they needed mostly.

So this application will work as a mediator between them where service providers can register themselves and then can serve their multiple services to the customers and customers can easily get their work done on their desired time and location. Through this application customers can easily request for service and UPI, Payment Get way and Cash On Delivery options are available for payment.

PROPOSED SYSTEM

In online Service booking system helps to reduce the work involved in offline Service booking. All the works and Service booking application are submitted online and database is to be maintained on the server. Entirely this project objective is to make that booking request in online process. The passengers can view the bus details can fill the form for booking services and generate an application for service booking and that will be can view the admin directly. Update the all services details in the

database. This project is an efficient and user friendly android mobile application for booking services.

Initially, Admin will update the service details according to the hierarchy, who will then have access to the Service Booking System.

- A. Admin can view the service details and update service details, also generate the report.
- B. User can book service.
- C. They can check the service timetable.
- D. They can check the notification of the service booking, whether it has been confirmed or not.
- E. User friendliness is provided in the application with various controls.
- F. The system makes overall project management much easier and flexible.

There is no risk of data management at any level while project development is under the process

RESULT AND DISCUSSION

A. General Introduction

This mobile application provides easy services booking facility. Firstly, mobile application should be installed on the required android handset. The addition or updation regarding bus details will be done by the

admin at the server side. The Email-id and password of admin is necessary to login their account or else if admin is new then admin can do registration first and then login.

B. Formal Description

If the application is successfully installed on the android mobile, then by clicking on the application following home screen will appear. As shown in following screenshots:

Fig 1: Login page

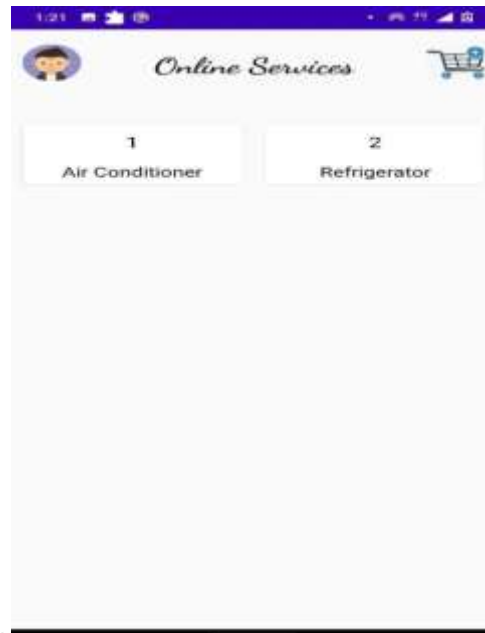


Fig 2:- Home page



Fig 3:- Sub Service List



Fig 4:-Location Picker



Fig 5:- Service List



Fig 6:- Date Picker

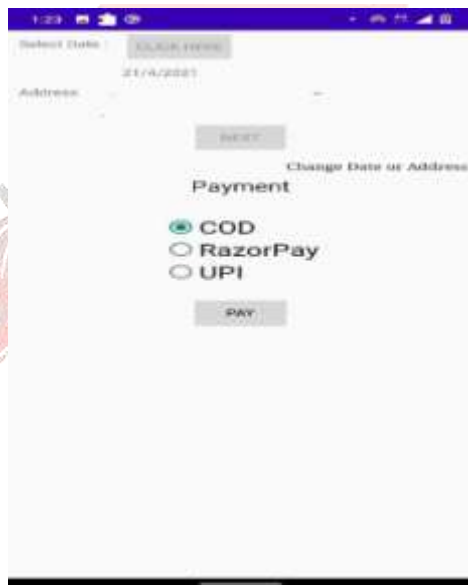


Fig 7:- Payment gateway page



Fig 8:- Profile page

CONCLUSION

The users of the “**Online Home Appliances Installation And Maintenance Services**” can book any service in the application. The existing system provides this information but it is web based. It is not convenient for the users to check computers several times a day to get the updates.

So, this mobile application will be useful for them to remain updated about the booking and services details just in matter of few clicks!

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