

Practical:2

AIM: To prepare a problem statement with description of the project you decided

Project statement: Services Providing Application

Each day, homeowners encounter numbers of problems associated with their electrical appliances, wooden structures, water etc... These may seem minor issues but they lead to major problems if left untreated. Sometimes, people ignore them because they need to spend some time to look for experienced professionals so this application provide best and time saving solution for this kind of problem within single application. An on-demand app for plumber, electrician, carpenter, cable operator etc can help find experienced professionals at ease and hire them quickly.

On the other hand, plumbers, electricians, and carpenters can use the application to get hired easily and grow their business. We provide you with a robust app that allows clients to book professionals. In addition, you get an app solution that lets you grow without making efforts. This android application is very dynamic and very easy to understand. The interface of the android application is very easy and anybody can easily work on it. This android application can provide all the description and important information about the problem.

The Services Providing application is also very useful because the customer doesn't have to visit to service provider's office, he/she can easily book his/her order via this application and he/she can also pay the payment online in this android application and website. So he/she can book order without any kind of disturbance. It will provide security for the customer.

Benefits of this Application are Target local audience, provide personalized and loyal service, more flexible, Build Network between customer and professionals, save time no need to go outside to find professionals, etc...

Functionalities of Application:

- You can find professionals using your current GPS location.
- Quick response from professionals.
- Easy communication using chat box.
- Various payment methods
- Maintain History of booking and Payment

Features of Application:

Sr No.	Customer	Professionals
1	Simple Registration/Login	Fast & Simple Login /Registration Feature
2	Data Security and	Chat With A Customer
3	Safety Design User Friendly UI/UX Interface	Data Security and Safety
4	Use Advanced Search Filter	Show Work History & Payment History
5	Provide Multiple Payment Options	Keep GPS Location Tracking
6	Add Service Feedback	Reply to customer reviews/feedback.
7	Keep Payment History	Set Availability and Service Times
8	In-App Chat With a professionals	
9	Keep Payment History	

Hardware and Software Requirements:**For application use**

Hardware:

Android Smartphone (above Android 6.0)

2GB RAM

More than 8GB internal storage

Software:

Operating system is Android Marshmallow and above

Google Map

Location driver

For application development

Hardware:

Processor: Intel core i3 and above

RAM: 4GB or more

Hard disk 250 GB and more

Software:

Operating system is Windows 10

Front End: Android Studio 4.0

Programming Languages: Kotlin and Java

Database: Google Firebase

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Practical-6

AIM: Prepare Software requirement specification (SRS) document.

ABSTRACT

Nowadays for any services like Plumbing, Electrical, Electronic, Mechanical, Pest Control, Home Paint and Machine Repairing, if any customer wants to use this type of services then they can go through a personal meeting or mobile call. It is difficult for customers to find any service in an emergency at any time and place. So with this project we are going to develop a website and android app which will help customers to find out a solution for any problems related to Plumbing, Electrical, Electronic, and Mechanical, Pest Control, Home Paint and Machine Repairing service. Our website and android application will provide a platform for all kinds of household services at any time and place. Our project will also provide the facilities like security, online payment, map navigation and also advertisement.

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1 INTRODUCTION

1.1. Problem Statement

Each day, homeowners encounter numbers of problems associated with their electrical appliances, wooden structures, water, etc... These may seem minor issues but they lead to major problems if left untreated. Sometimes, people ignore them because they need to spend some time to look for experienced professionals so this application provide best and time saving solution for this kind of problem within single application

An on-demand app for plumber, electrician, carpenter, cable operator can help find experienced professionals at ease and hire them quickly.

On the other hand, plumbers, electricians, and carpenters can use the application to get hired easily and grow their business.

It also provides easy communication between customer and professional. In this busy time people can't have too much time so they can easily find the services they need and the professionals also spread their business using the internet or this application. So it is also used to save time.

1.2. Background

Sometimes we don't have time to deal with some household issues so we need some technology that provides the best solution for this real-time problem. So we think the easy solution for this problem is make one android application now day all have smart phones so it is more beneficial for all. Now days it is hard to find some expert and also professional can't

find customer so using this application they can easily communicate.

So it is better to use mobile application instant of going outside and find worker for your particular problem. Also sometime we face problem to pay for our service and if you don't deal with this kind of situation so you have to pay more than service charges so in mobile application you also compare all the service provider and hired the best provider of your area.

Sometime you don't know about your area so it is hard to find shops or offices of service provider so all this kind of problems can solve using one mobile application that's why we want to design such kind of application that help customers and professionals.

1.3. Benefit of Application

Benefits of this Application are

- Target local audience
- Provide personalized and loyal service
- More flexible
- Build Network between customer and professionals
- save time no need to go outside to find professionals, etc...

1.4. Objectives

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1. Each day, homeowners encounter numbers of problems associated with their electrical appliances, wooden structures, water etc... These may seem minor issues but they lead to major problems if left untreated. Sometimes, people ignore them because they need to spend some time to look for experienced professionals so this application provide best and time saving solution for this kind of problem within single application.
2. An on-demand app for plumber, electrician, carpenter, cable operator can help find experienced professionals at ease and hire them quickly.
3. Providing quality customer service.
4. Select best service provider based on Ratings and Reviews.
5. On the other hand, plumbers, electricians, and carpenters can use the application to get hired easily and grow their business.
6. Easy communication between customers and professionals.

1.5. Purpose

1. Household services are easily available.
2. To provide household services any time.
3. Easy online payment.
4. Saving of time.
5. Make available household services through application.

1.6. Features of Application

Sr No.	Customer	Professionals
1	Simple Registration/Login	Fast & Simple Login /Registration Feature
2	Data Security and Safety	Chat With A Customer
3	Design User Friendly UI/UX Interface	Data Security and Safety
4	Use Advanced Search Filter	Show Work History & Payment History
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2 FEASIBILITY STUDY

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The objective of the feasibility analysis is to determine whether or not the proposed system is feasible. The feasibility is determined in terms of five aspects. These are: -

2.1 Technical Feasibility:

Technical feasibility study is the complete study of the project in terms of input, processes, output, fields, programs and procedures. It is a very effective tool for long term planning and trouble shooting. The technical feasibility study should most essentially support the financial information of an organization. In this, one has to test whether system can be developed using the existing technology or not. We have used here the Android framework with SQLite and languages as Java, Kotlin and xml. From the technology and languages mentioned above it evident that necessary hardware and software are available for the development and implementation of the proposed system. We acquired the technical knowledge of working in Android and then only started the designing of the project.

2.2 Time Schedule Feasibility:

Schedule feasibility is the degree to which a deadline for a strategy, plan, project or process is realistic and achievable.