

# A Web Based application On Temporary Job "Home Services" During Pandemic Situation

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**Abstract:-** Now a days our life is all about inconvenience to little small things. Inconvenience refers to the problems of our life. It can be also solved by consulting professionals of the respective positions. So, to make our life a little more beautiful we built a web application to address the problem with regards to electricity, plumbing, etc. Our objective is to bring the service professionals on the digital platforms, also in the reach of people who are looking for quick support in urgency.

**Keywords:-** Home Service, Customers, Service Providers, Database based Tracking System, , Restful API, Plumber, Electrician, Carpenter, Painters, Key makers, Mechanic.

## I. INTRODUCTION

Home service by professionals have a significant value in today's era of development technology. Now a days it is becoming an essential part of our lifestyle. Also, there are many service professionals in our country whom does not have any services on their hand and also facing financial problems. So, to meet both the requirements we have built a web application that ensures to help people who are looking for quick support in urgency and also bring the service professionals into the digital platform. In this project we have addresses our day to day lifestyle issues such as plumbing, electricity, painting etc. Thereby we have put service professional like Plumber, Electrician, Carpenter, Painter, Key makers, Mechanic. Therefore, anyone experts in these services can directly register in their respective professions on our web application. And people who are needy for these services have to register themselves as customer and directly can contact the service professionals. In this way our web application helps the needy people and also provides jobs to some people.

## II. LITERATURE SURVEY

[1].Database Based Searching :

Here In Our Project We have Used Database Based Searching in which we first check the address data provided by user and try to match with the data provided by worker in the time of registration formality Cause we are unable to find the way of tracking through GPS.

[2]. Notification Reminder :

We create a notification service where both user and worker will be notified while a user book them or worker accept their booking through Flask Api into Their Profile Page After Log In.

[3]. Voice Searching :

We have used a Voice Search Engine That Can search over our some specific command and open the corresponding page automatically.

### Study of proposed work:

*The proposed system provides services to customers at their convenience place specially if possible at their (customer) home. Along with this it also provides following features: -*

- Details of service professionals along with their rates for the services to the customer.
- Service availability notifications
- Professional and customers can directly contact with each other.

Advantages of proposed system:

- The web application is user-friendly with an interactive interface.
- Data of customers and service professionals are protected securely.
- Customers will have many choices on their hands to select any service professionals on their region.
- Service Professionals can set rates of services on their profile.
- No commission for service professionals on behalf of our part.

Disadvantages of proposed system:

- ❖ *The web app does not automatically detect the location of the customers. For location this web app depends on the data provided by the customer.*

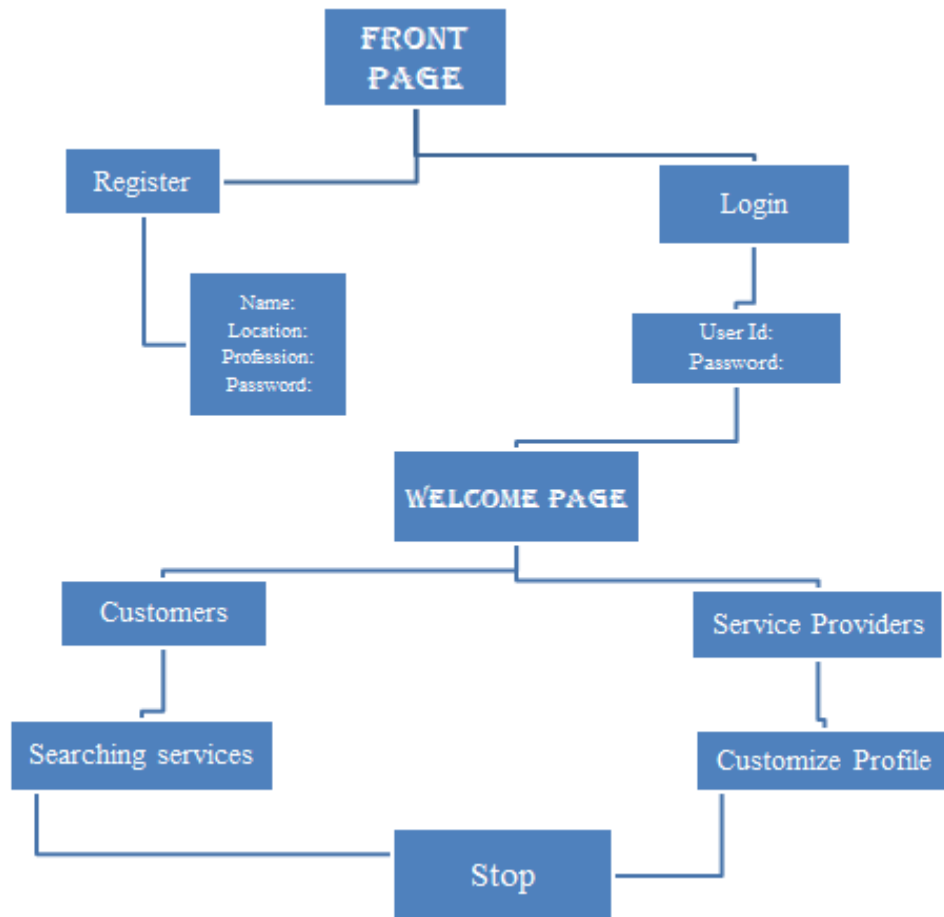


Fig1: Flow chart of the project

**Simulation results:**

*In this project, we have presented a web application for booking different services to the nearest location. In our project there are mainly two modules:*

*For customers:-*

- *Search for a service provider for themselves according to their specific need.*
- *Browse through the list according to location and budget.*
- *Choose and contact service provider.*

*For service providers: -*

- *Register themselves as a service provider.*
- *Add one/all the services that they provide.*
- *Set their service charges with respect to hourly or daily basis.*

**Software requirements:**

User side:

- Android OS Lollipop 5.0 or Higher
- Laptop / Computer
- Internet

Developer side:

- Windows
- Visual Studio
- Python Flask
- Microsoft SQL Server
- Sublime-text3

**Screenshots of this Web Application:**

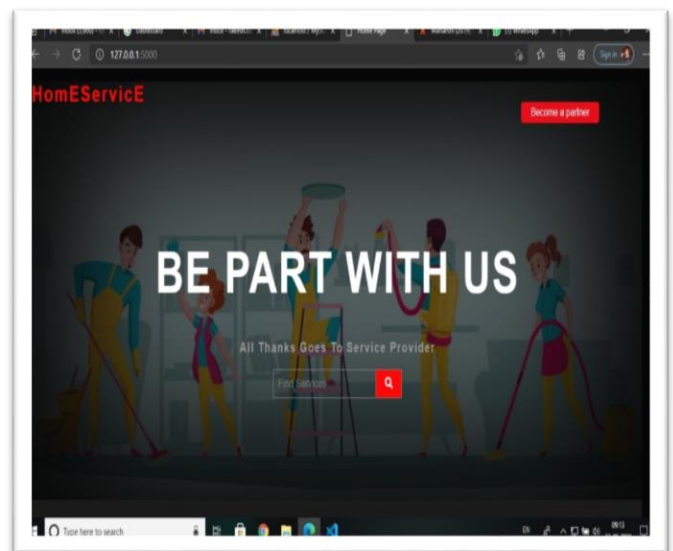


Fig2: Front Page

This is the front page of our project. From this page, customer or service provider gets into their respective webpage.

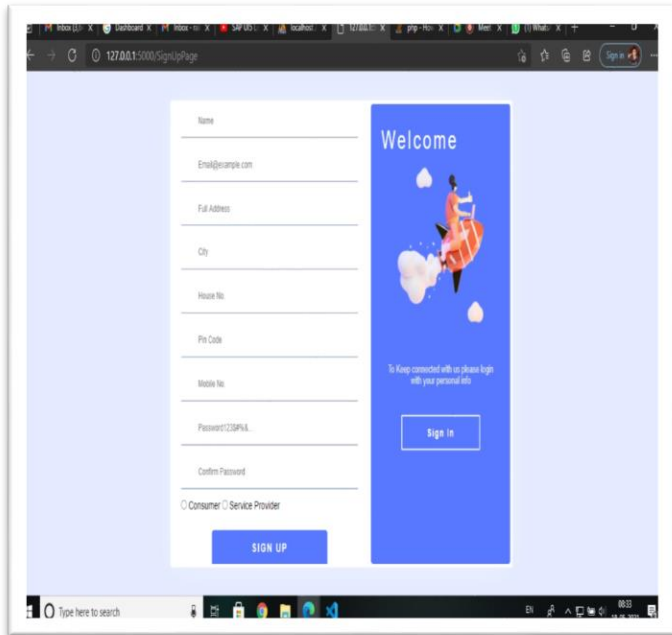


Fig3: User signup page

If a new user wants to use this web application he/she need to do signup.

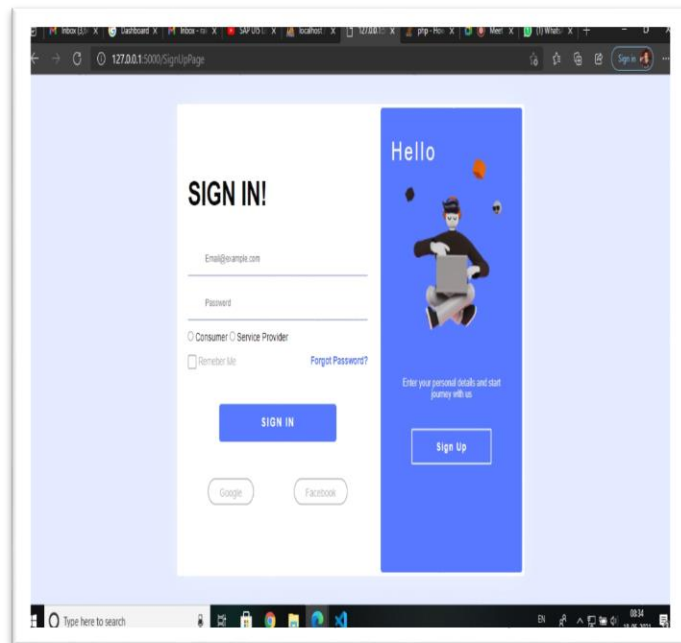


Fig5: User login page

If user had already signed up to our page then they can directly sign in and reached to the home page

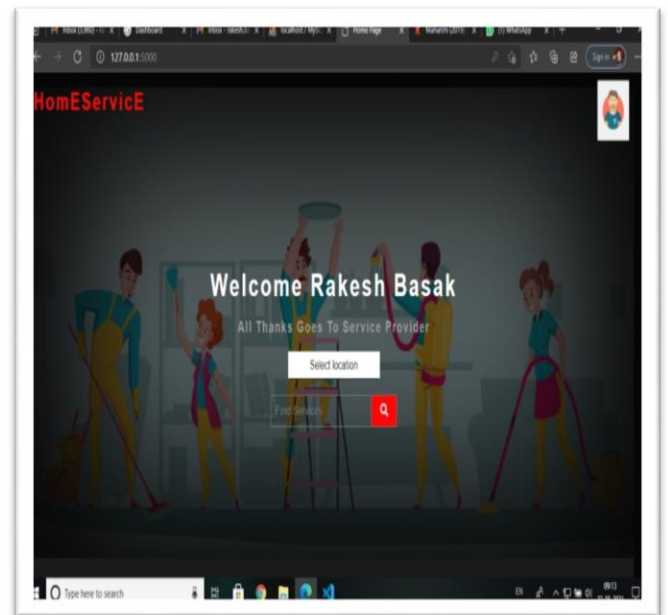


Fig6: Welcome Page

After sign in customer or service provider can directly reached to the welcome page of the application. From this page customer can find services according to their need and service provider can set their profile.

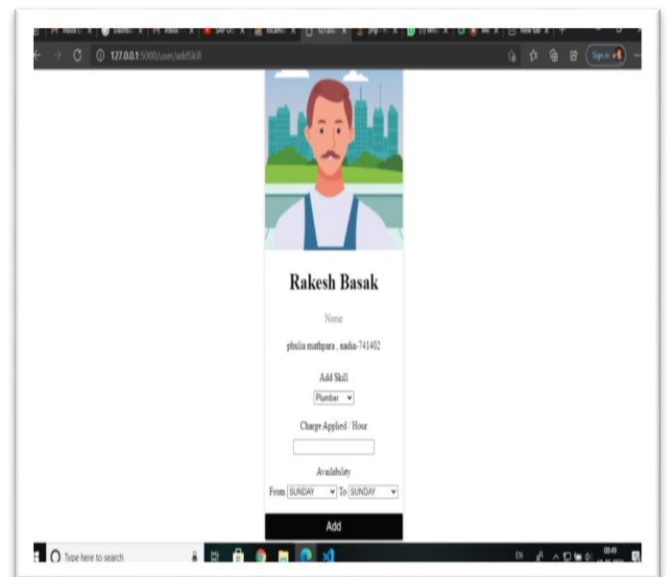


Fig7: Profile Customization

In this page all the service provider can customize their profile i.e what kind of services they provide, what are the charges they apply for that service and to which location they provide that service etc.

### III. CONCLUSION

The main aim of this paper is to help different peoples of our society with the help of technology. This report presents the ideas of our Home service web-application. We have used database base searching to find nearest worker contact. We have created front page, customer sign in, customer log in, service professionals sign in, service professionals log in, service professionals profile page which contains data about their services, locations, prices and so on. After that we have sorted them on our database based on their location and services, so that customer can easily found them based on their preferred location.

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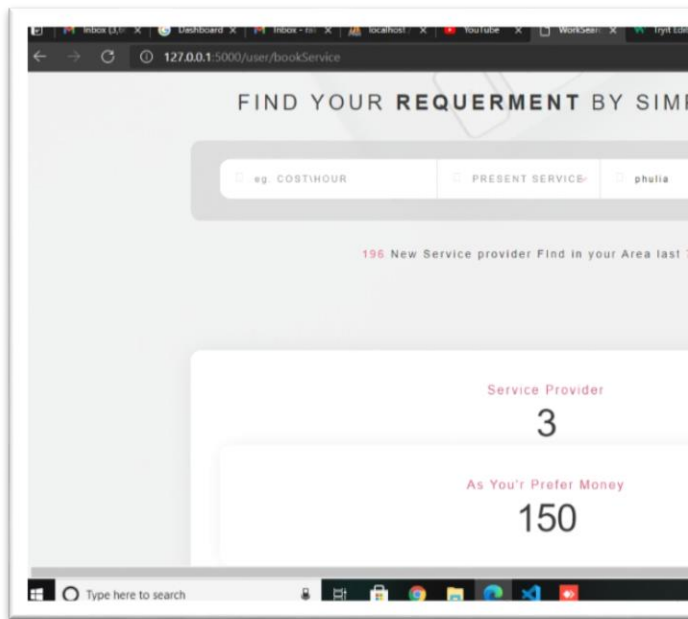


Fig8: Seaching for services

Customer can directly search for services as per their convenience i.e on a particular location or on low rate. There will be hundreds of service provider for a particular service thereby it makes customer more comfortable to choose one from them.

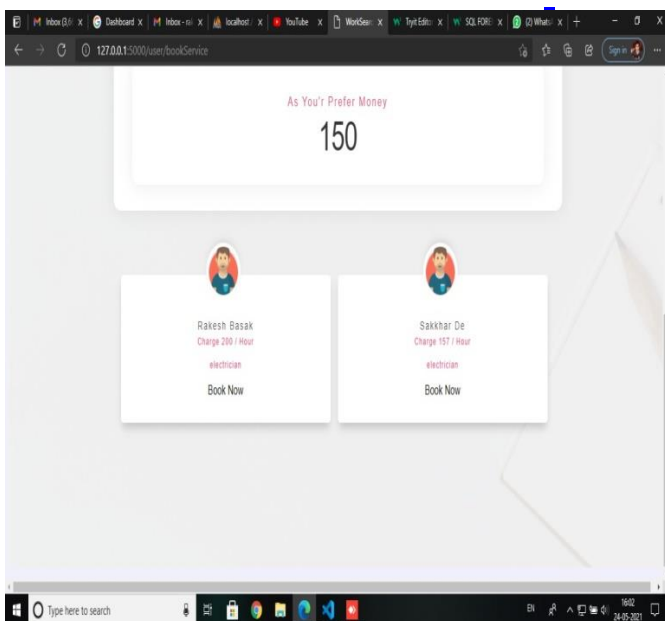


Fig9: Profile of service provider

This is just a demonstration of some service provider who does have a particular profession mentioned and also information regarding rates of their services mentioned. Therefore if any customer got interested on a particular service provider they need to book that service provider.