Implementation Of Design And Development Of Doorstep Services Provider Portal

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Abstract: This paper introduces that the current problems of the society and general peoples who are connected with smartphones and technology for all we propose to Door step service provider in Android technology for users. User can search provided services and use accordingly. Services providing sector is a one of the most demanded sector now a day. The motive of this application is to provide workers for the household works such as an electrician, plumbers and many more.as per our analysis Other applications do not provide such services in the construction area Generally there are applications in market which provides selected works such as providing maid etc. And we are try to deal with labors and also services provider.

Index Terms – **worker, labor, services, android .**

I. INTRODUCTION

In this project we are going to make an android application having a different module for worker and customer we will work as mediator between these two i.e., the customers and the worker here we try to provide nearly all major household services such as an electrician, plumbers .interior designer and many more .we choose an android technology because as per survey android user in India is More than 95 Percent and android is easy to use for customer as well as for worker too.

In general customers are facing problems in finding a professional expert. In their local area and there are no single platform where they can compare all of service provider. Our main objective is to providing a fast and reliable way for customer and a opportunity to workers to get work online in a few time also we are focusing on Providing services of many areas at a single platform.

o Aim

Our aim is to provide various house-keeping services on your device you use daily basis

o Challenges

- As per current problem statement there are some challenges in front of us they are follow
- Peoples are unaware about local market
- People are unaware about experts in their locality
- Hire trusted workers
- Doing Survey

Matching Supply and Demand: Doorstep service provider is a marketplace for finding service professionals. The tricky part is to handle both the supply (service professionals) and the demand (users). This means their advertising efforts are double and their on boarding efforts are double too.

Ensuring Quality of service: One of the key challenges for marketplace platforms are ensuring the quality of service. The trust factor of the service lies with the marketplace rather than the service professional.

User Retention: When a customer will hires an electrician through Service Provider, there are high chances of the customer reaching out to the electrician bypassing Doorstep Service Provider.

II. LITERATURE REVIEW

1. Abari, A. A. F., Yarmohammadian, M. H., &Esteki, M. (2011) studied the service quality of postgraduate student in private university "Islamic Azad University-Khorasgan Branch". The gap between expected and actual is analysed by servqual model. The hypotheses of the research Must Shad Journal

2. Guthrie, M. & Jung J. (2012) in their study women's perceptions on home services of personal care involves lot of trust and professionalism. As a time passes the loop wholes in this system get solved but here they focus on a particular categories regarding service provide

3. As per the research done by Jai Vardhan on 8th Sep, 2015, besides food &health, providing beauty services at doorstep are plugged as one of the biggest opportunity. Professional women lead busy lines some tend to prefer availing of such services at home. And as per Jai Vardhan's one more research says that (Getlook) which is a creation of IIT-KGP graduates Gaurav Maheshwari and Ronak Sharda, that Get Look provides the beauty servicesat the customer's doorstep within two hours
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III. RELATED WORK

On this topic some work already done. some popular company like urban company is dominating market in current time they provide a some essential services regarding a house hold and as per a survey urban company is one of the leading start up in India as we know that the house maintenance and repair it create a lot of job option in world . Service providing plays a huge role in revitalizing economic growth in any country.

URBAN CLAP
Urban Clap is an app – based service marketplace that connects customer to service professional. Their strategy is to connect more and more number of customers to use the platform of Urban Clap to make their life more easy and comfortable. With the rise in Nuclear families, Dual Career couples, the focus of customer is to spend quality time with their families whenever possible. Services at the door step at one click of the mouse is welcoming change accepted by customers today, giving rise to business model like Urban Clap

FORFIX
Forifix is an Integrated Pest Management venture, launched on September 5, Defense Day as a shield against the domestic terrorists (Pests and their pollutants) in and around the facilities. It addresses a significant gap between a serious pain point of every household and the horrid solutions available that one could ever risk

IV. PROBLEM WITH EXISTING SYSTEM

As per today's scenario labor facing so many problems and as a urbanization is trending now a days everyone try to believe on technology and its really helpful .some existing system try to solve the problem in there way but they are very specific about the providing services and they may ask lot of information about worker and all as well as due to lack of advertisement less number of users are get connected with them as demand of labor is high and service provider is comparatively less due to that customer have to wait till service provider get in touch with them also due to lack of service provider the charge of services are relatively high in many sections and now a day trust is a one of the biggest factor at which customer are depend.

V. Implementation

The proposed system consists of actors consisting of a worker and a client. The administrator has initial rights to access and modify the website, where it needs to login to do so. Then the administrator comes to the customer who wants to take advantage of our services, it has to be before the registration and login process. A client can upload a file describing the services if necessary

User Initially have to sign up with their valid mobile number to enjoying a services provided by a Door step services after that user get a new page with a services where user can check a services and get details about it after that according to their convenience they have to choose a preferred service and after feeling own In this application it consists of three modules which provides the interface between the user and Workers our project is the one time authentication (OTP) which provides Real and valid identity of user

MODULES:
Login: In this module user have to login with their valid mobile number as he/she is customer or worker if you are not done Login Process you are not able to book any of the services

Worker: If any user wants to register as a worker you have to give some basic details according to your profession and some basic detail as well as contact detail

User/Customer: Customer needs to simply login with a valid mobile number and while booking any of the service they need to give basic information

Also we use some basic algorithm to search and sort a data in a database

1. Searching Algorithm:
To search any data in a big data base there are so many algorithms available for that we are going to use a binary search improve the time complexity

2. Sorting Algorithm:
Sorting is the most common and majorly used algorithms in mobile app development.to sort a data present in a database

3. Hashing Algorithm:
The hash algorithm is the most widely used method to find suitable data by their ID we can do volume search using this algorithm
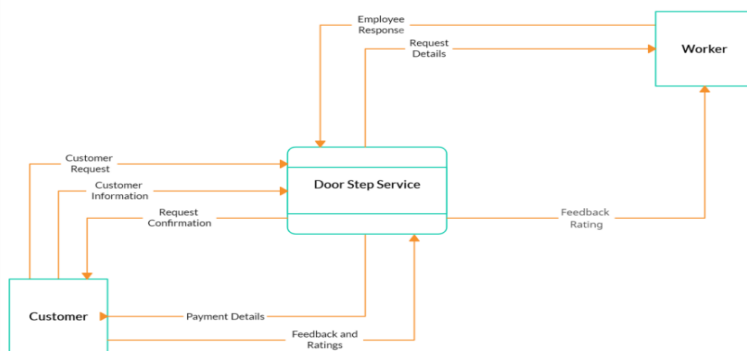
Once a request is made, it can forward it to rate the customer service to confirm the service once the service is over. And in the worst case if customers are not satisfied with the service they can proceed with the return policy process. Finally a service provider that provides a service where they should also go through the registration and login process and proceed with the uploaded files and inform them to provide the service once the service is confirmed. Is done and when done after service

VI. Application
- Easy to Communicate with customer and worker.
- Easy to search as per user's requirement
- Easy to manage all the type of work
- Easy GUI helps every type of people to use it properly
- Authenticate Person only register/login through OTP
- User can see all the available service provides also search it.
- User can see all the details of service provider like services, contact info, etc
- User can get direction to the particular service provider and also make a call to them

VII. Future Scope
In future our project is meant to satisfy the needs of customer and Worker if we compared this system with existing system there are lot many new features are there and as we all are know that internet users in India increase day by day so it is a better opportunity for labor and worker to get in touch with a internet world and get a benefit of it. Due to the simple UI any one can easily access it where ever they would want due to android.
The discussion charge methods our gadget has, for instance currently machine has online payment via most effective credit card users further it can be prolonged via adding the fee services for visa customers additionally

☐In Future we can add Online Payment Facility.
☐Also to increase a efficiency and to reduce time complexity we will integrate Google Map
☐Also we will add one extra section for users from there the make a purchase of items which is available.
☐The device can have prolonged by adding the services such as cellular and laptop restore, laundry services

VIII. Conclusion
Home services are needed and the demand for services is increasing since the population in our country India is ageing. Nonetheless, old people are not the only group to benefit from home services, other consumer groups are also going to benefit from new services also. Services have to be received either in person or unattended. As an example, social services have to be received in person but item deliveries can be done using reception systems. Unattended reception box is the most comfortable way to receive items for the customer.
From this we can conclude that this system is reduce the effort and time of an individual for their home services this system provide a platform to user to identify the local professional s and workers too, it also provide a platform to workers to get a work online with minimal amount of a time and due this system customer can easily compare a price and rating and accordingly they can choose a preferred worker.

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