DEVELOPERS COMMUNITY-DEVCOM

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ABSTRACT: *This era can be defined as the "ERA OF INTERNET". We the people of this generation are now accustomed to getting almost all types of services at our doorsteps via the internet. From getting medicines to groceries everything now can be ordered online without burning a hole in our pockets and that to within a short span of time. Devcom is an android application which aims to provide a platform for the technically skilled people to seek job opportunities while at the convenience of their homes. It also provides a platform for a layman to get computer science related tasks done easily. Our application not only caters to the needs of the qualified but also of that of the skilled. In this project we have tried to do something similar to this but in a very different and a very emerging field. We have also created a platform where customers can post their requirements which can be any computer science related task and freelancers can apply for the work depending on their skill set. The world is expanding and with this the people's need are expanding too. Now-a-days customers require work to be done from their homes without going anywhere and at affordable prices. So after taking into consideration the requirements of the people and the ever evolving field of computer science we took up the initiative to create a platform where customers can get computer science related tasks done according to their needs and requirements.*

Key Words: **Android, Application, Communication, Developers, Freelancers, Platform.**

1. INTRODUCTION:

The aim of this project is to build an android application which provides a platform to both the customers as well as the developers to get their computer science related tasks done while sitting at home and earning money at the same time at their own terms and conditions. It provides a platform for freelancers to showcase their talent and earn money and also choose their work on their own. The customers also have the freedom to choose their developer in accordance with the developers profile and previous work ratings given by the earlier customers. This application also aims to provide an end to end user connectivity to get computer science related tasks done easily and efficiently.

This era is the era of internet where internet has now become the source of connection for the users to avail various sort of services, so why not we create a single platform for the purpose behind the internet i.e. "THE COMPUTER SCIENCE STREAM". There are various platforms which connect users to different types of services but none of this sort. It is here that the customers can get any sort of computer science related tasks done easily like designing web pages, making android applications, logo designing etc.

2. LITERATURE REVIEW:

A research study on Customer expectation and satisfaction level of Urban Clap in beauty services with special reference to Pune. Volume: 08 Issue: 05 | May-2018, International Journal of Management, Technology and Engineering.[1] This paper provides a study on the customer expectations and satisfaction levels of Urban Clap which was a motivation for this project. Urban Clap is an application which provides door to door services to customers regarding domestic services. States that expectation play an important part in service quality. Currently, the most widely adopted view of service

quality results from customers' expectations being met or exceeded. With increasing boom in the E Commerce and fast life style there is a huge demand of online services and home delivery services. Customers are using such services for Transportation, Food, Personal Care, Health and many more. Providing home services will always be in demand but along with services the satisfaction level of consumer in this industry is also very important to survive in the market.

As on the basis of above data analysis it has been proven that there is a significant relationship between customer's expectations and satisfaction with the provided beauty services. As per the survey, it is found that more than 65 % respondents are satisfied with the urban clap services. However to improve more and give better services to their customer, urban clap can focus on few points such as:

- After the survey it was also found that the service provider should reach on time to provide services which will make the customer delight.
- The urban clap kit which the service providers use should be having all the accessories required to give customized service to customer.
- The hygiene level of the service provider is also very important for the customer; the service provider should be hygiene & should be very professional in the terms of services.
- The urban clap representative should have the complete & proper information about the services and products which he/she is giving to customer.
- The company should take proper feedback from customer after providing services which also shows professionalism.

3. SYSTEM OVERVIEW:

We designed an android application which provides job opportunities for freelancers and also provide customers with services available on their mobile phones while at the comfort of their homes. There are numerous other android applications which provide services like grocery shopping, cab bookings, food deliveries, salon services etc, but there is no such android application which provides job opportunities to freelancers in the field of computer science.

3.1 Firebase:

Firebase provides a real time database and backend as a service. The service provides application developers an API that allows application data to be synchronized across clients and stored on Firebase's cloud. The developer can use it to store images, audio, video, or other user-generated Firebase Storage provides secure file uploads and downloads for Firebase apps, regardless of network quality content. Firebase Storage is backed by Google Cloud Storage.

3.2 Android Studio:

Android Studio is an integrated development environment (IDE) for Google's Android operating system designed specifically for Android development. It is freely available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (ADT) as the primary IDE for native Android application development. It was in early access preview stage in May 2013, then the entered beta stage which was released in June 2014.

4. Technologies Used:

4.1 Java:

Java is an object oriented programming language having the following concepts:

- Abstraction

- Inheritance

- Polymorphism

- Encapsulation

It is a platform independent programming language with having features as stated below:-

- Platform Independence

- Java Virtual Machine

- Multi-threading

- Security

- Garbage Collection

4.2 Extensible Markup Language (XML):

Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding document in a human and machine readable format. The design goals of XML emphasize simplicity, generality, and usability across the web.

4.3 Libraries Used:

- GLIDE

- ANDROID CROP

- ANDROID MATERIAL

- FIREBASE

5. WORKING METHODOLOGY:

Firstly, if any customer needs a work to be done then he/she can post their work requirements by either signing up (providing basic details) or signing in (if already signed up). Now the specialized developers (one or more) responds in accordance with the customer's requirement and then the customer chooses from the developers on the basis of their ratings/profile/expertise after which the customer will have to make payment of half of the budget in order to get work done. Now the developer starts to execute the assigned work while

communicating with the customer with the help of chat in case of any queries or issues. Once the developer submits the project to the admin the first half of the payment is made to the developer and now the customer can download the file uploaded by the developer after he/she makes the remaining payment which will be transferred to the developer within the next seven days.

6. CONCLUSION:

Overall we conclude that it is an Android Application that provides end to end communication between customers and the developers to get work done efficiently along with security of money and satisfactory work done. Our application aims to open new doors in the field of computer science while providing the commoner the platform to fulfill their needs without getting trapped by the big MNCs at a very a affordable cost.

7. REFERENCES:

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