

Connect India Platform for Connecting Recruiter with Worker

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Abstract: *The present educated age utilizes web for everything right from requesting food to getting recruited. In reality, lackey competitors depend much more on web than some other source like paper or systems administration. In this paper, we attempt to address the gap between recruiter and service provider. This is done by taking into consideration the details provided by both, the service provider and the recruiter. There are lots of platforms for educated candidates but there is no any platform for skilled workers for day today needs. In this way we came to the conclusion that there is drastic need to build a platform which can create direct connection between recruiter and workers so we create a platform named as "Connect-India". The sole purpose of this application is to improve the employment ratio. The features of this application is it provide user friendly interface, chat facility, GPS location tracker and rating facility.*

Keywords: Service provider, Recruiter, GPS, Android Application

I. INTRODUCTION

In today's developing world we have many platforms available for well educated people to find a job like Naukri.com, LinkedIn but there is no any platform available which helps service providers like (maid, driver, sweeper, cook etc) to get a job so, we provide such kind of facility by our application where we'll manage two user interfaces, to sign-up and sign-in where one is for the workers and another one for the people who want to hire them.

The application also going to provide facilities like notification, Google map, chatting, etc. So that both service providers and clients/recruiters will easily communicate with each other.

II. LITERATURE REVIEW

Reshma R Reghu [1], has used DFS graph traversal technology for finding a trustworthy service provider in online service-oriented trust network. The drawback of existing system is it considers the path with highest utility and not considering the shortest path. Compared with the existing HSCAN method this method performs better in terms of utility and accuracy is the advantage of this system.

K. Aravindhan [2], presents web application based on demand home service system. In this the author has provided tracking facility also it connects service provider and client also hire the proficient.

Sandeep Kumar [3], proposes the location-based services using android. Author has used global positioning system (GPS) technology which provides location-based service (LBS) also SQLite database used to store the information. The merits of this system is it provides facilities like emergency, safety and medical/health services also it provide location based service. The limitation of this system is it need suitable model to configure LBS.

Mustafa Pinjari [4], designed online job portal. This system provides an efficient search for online information on job vacancies for job seekers. The main goal of this portal is to attempt to produce the right graduates based on the industry. The drawback of this system is intended to show as many as possible job opportunities as they can but, not those job opportunities which job seeker really wants.

Sanskar Shukla [5], has used firebase cloud for android-based chat application. This system explains how we can take benefit of firebase cloud to create android-based chat application. In this paper author haven't given solution on issues like user is unable to complete the hardware and software requirements.

Bhuvana Sekar [6], proposed the location based mobile app development on android platform. Author used global positioning system (GPS) for location monitoring. The limitation of this system is lots of features affects the battery life. This system provides the facilities like handset theft monitoring, emergency call feature.

Manav Singhal [7], has used android mobile operating system, global positioning system (GPS) for location monitoring. This paper gives the information about API's like Android Location API, Google Places API and how we can retrieve the location of the device like using mobile phone service provider network or by satellite. The author doesn't cover the entire information about GPS tracker and how we can use this in our mobile applications.

Vijay Yadav [8], has used the job recommender and multi-criteria search techniques. This paper provides the information about system architecture of users-webservers-database and multi-criteria search technique. This system fulfills only the primary requirements of the students and companies. The limitation of this system is that author haven't given any idea about the collaborative filtering-based recommendations and email updates for new job postings based on the student's search history.

Sheetal Bandekar [9], designed domestic android application for home services. The drawbacks in the existing system have been overcome by implementing GPS (Global Positioning System) service. This paper shows that application needs a wide scope for integrating maps to allow drag and drop to another location.

Rohit Muthyala [10], proposed the data driven job search engine using skills and company attribute filters. This paper explains how AI help to filter the job according to the requirements also it provides the idea of data extraction technique. Limitation of this paper is that it hasn't add higher level attributes that are derived from a combination of existing attributes.

Prof. Seema Vanjire [11], proposed the location-based services on smart phone through the android application. Author used android operating system, LBS, GPS (Global Positioning System), Google Maps. This paper gives us information about location-based service components like location tracking, GIS provider, location collection service, location manager, location provider also it provides us the use of LBS in android app, Global Positioning System (GPS) and how android application working with use of GPS, Google Maps API. This paper shows the problem regarding wireless network connectivity with that it also shows issue related with cache management.

III. PROPOSED SYSTEM

The platform proposed android based application to enhance the employability rate in India, optimize the time to find the service provider in the nearest location and establish the easy communication between service provider and recruiter. In addition to that, the application provided GPS facility to easily find nearest service provider and also provided rating facility so that recruiter can rate the service provider according to their work.

For communication purpose between both service provider and recruiter, our application has a chatting facility where both service provider and recruiter can discuss regarding their need, payment details, etc. Through the searching option recruiter can easily get the information about particular service provider which helps to conduct a smooth searching process.

Android application is common and easy platform to fulfill our needs. Anyone can have this application on their system. Searching service providers through android application is very easy because android applications are user friendly and attractive.

A flowchart is a picture of the separate steps of a process in sequential order. In this flow chart we are going to show the flow of our system. That is first we have to register and after that login by choosing appropriate user type that recruiter or service provider. Then both have to choose proper option that is recruiter have to select service provider according there need and service provider have to select job. Next our system checks the worker availability with in that location using GPS tracker. If they found it then both accept the request and get connected with each other and communicate using messaging facility. So, after job completion service provider get review from recruiter and there the system or App work done. If they want then they can logout from application.

- **Login Module:** If there is a new user then the new user firstly needs to create their account by filling the information like name, email address, contact details, etc. and if the user is service provider, then need to create a profile according to their role or else if the user is already existing then just need to login.

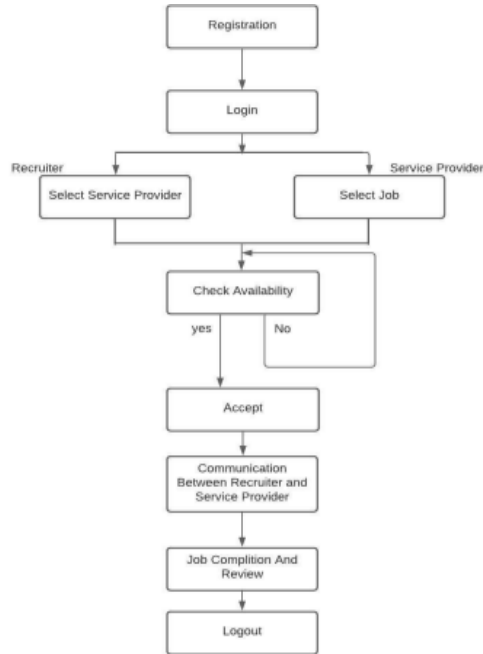


Fig. System Architecture

- **Database:** We are going to use firebase for storing the data such as login details which comes under login database and at the end, we are going to provide the facility of feedback so depending on that recruiter can get idea about work quality of service provider.
- **GPS:** With the help of GPS tracker, the recruiter can find nearest service provider so the recruiter can reach to service provider which located near to the recruiter.
- **Contact and Communication:** Contact and Communication is one of the most important modules in our project. The main motto of our project is to establish the communication between the service provider and recruiter and to achieve this we are going to provide online chatting application so the communication will be easy and transparent.
- **Rating and Feedback:** After completion of work the recruiter can give the ratings which is based on service providers performance and feedback based on the work done.

IV. SNAPSHOTS

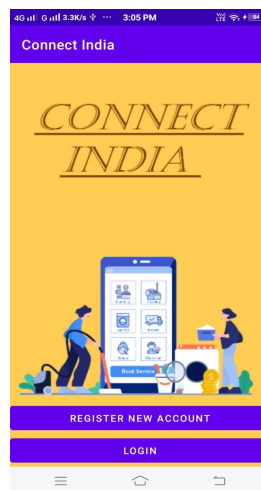


Fig. Home Page

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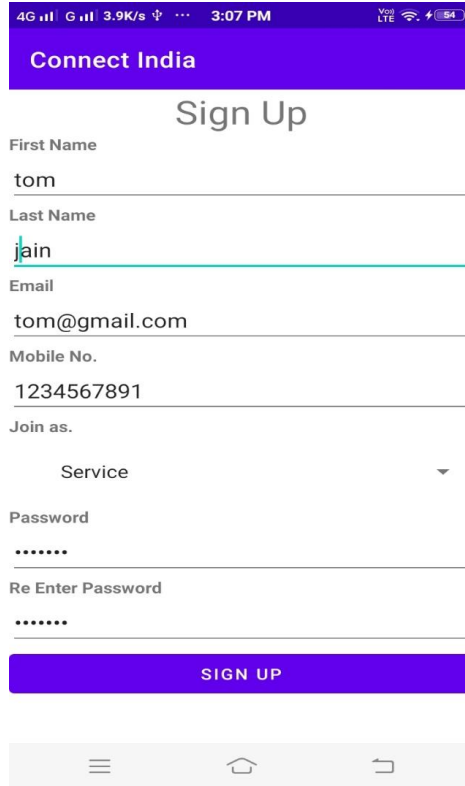


Fig. Registration Page

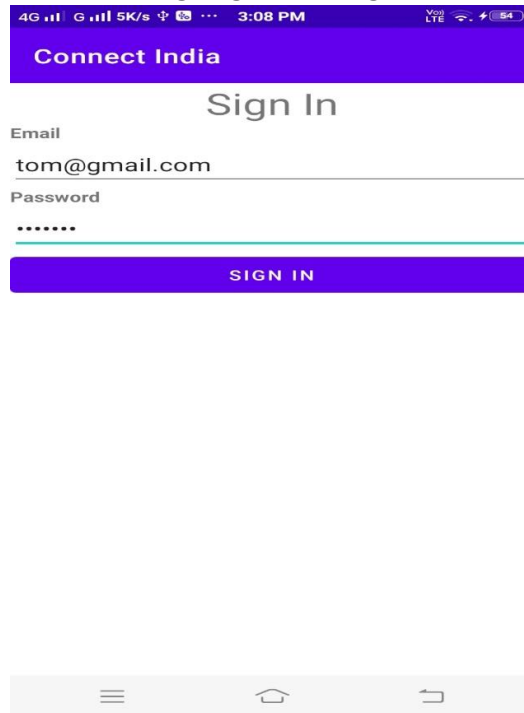


Fig. Login Page



Fig. Main Page

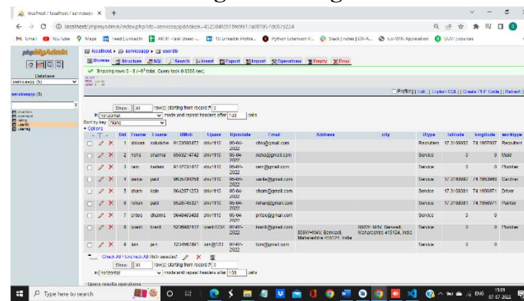


Fig. Registration Database

V. CONCLUSION

Connect India application was a real learning experience. The principles of software production were well implemented throughout the system. The application developed by us is purely based on Android Studio platform. This application provides an efficient search for online information on job vacancies for service providers. The main goal of this application is to provide job for skilled workers for day today life.

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REFERENCES

[1]. Reshma R. Reghu and Greeshma Sarath, "Finding a Trustworthy Service Provider in Online Service Oriented Trust Network", 2018 International Conference on Data Science and Engineering (ICDSE).

- <https://ieeexplore.ieee.org/document/8527731>
- [2]. K. Aravindhan, K. Periyakaruppan, T.S. Anusa, S. Kousika, A. Lakshmi Priya, “Web Application Based On Demand Home Service System”, 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS). <https://ieeexplore.ieee.org/document/9074284>
 - [3]. Sandeep Kumar, Mohammed Abdul Qadeer, Archana Gupta, “Location based services using android (LBSOID)”, 2009 IEEE International Conference on Internet Multimedia Services Architecture and Applications (IMSAA), <https://ieeexplore.ieee.org/document/5439442?arnumber=5439442>
 - [4]. Mustafa Pinjari, Nishit De, Rutvij Kokne, Aamir Siddiqui, Dnyanoba Chitre, “ONLINE JOB PORTAL”, <https://www.irjet.net/archives/V6/i4/IRJET-V6I433.pdf>
 - [5]. Sanskar Shukla, Subhash Chandra Gupta, Praveen Mishra, “Android-Based Chat Application Using Firebase”, 2021 International Conference on Computer Communication and Informatics (ICCCI), <https://ieeexplore.ieee.org/document/9402510>
 - [6]. Bhuvana Sekar, Jiang B. Liu, “Location based mobile apps development on Android platform”, 2014 9th IEEE Conference on Industrial Electronics and Applications, <https://ieeexplore.ieee.org/document/6931527>
 - [7]. Manav Singhal, Anupam Shukla, “Implementation of Location based Services in Android using GPS and Web Services”, <https://www.ijcsi.org/papers/IJCSI-9-1-2-237-242.pdf>
 - [8]. Vijay Yadav, Ujjwal Gewali, Suman Khatri, Shree Ram Rauniyar, Aman Shakya, “Smart Job Recruitment Automation: Bridging Industry and University”, 2019 Artificial Intelligence for Transforming Business and Society (AITB), <https://ieeexplore.ieee.org/document/8947445>
 - [9]. Sheetal Bandekar, Avril D’Silva, “Domestic Android Application for Home Services”, <https://www.ijcaonline.org/archives/volume148/number6/bandekar-2016-ijca-911137.pdf>
 - [10]. Rohit Muthyala, Sam Wood, Yi Jin, Yixing Qin, Hua Gao, Amit Rai, “Data-Driven Job Search Engine Using Skills and Company Attribute Filters”, 2017 IEEE International Conference on Data Mining Workshops (ICDMW), <https://ieeexplore.ieee.org/document/8215664>
 - [11]. Prof. Seema Vanjire, Unmesh Kanchan, Ganesh Shitole, Pradnyesh Patil, “Location Based Services on Smart Phone through the Android Application”, https://ijarce.com/wpcontent/uploads/2012/03/IJARCE3B__A_unmesh_Location.pdf