Online Portal For Booking Handyman Services

Rishabh Chopade[1], Venkat Bhnala[2], Pratik Ludhakar[3], Prof.Kaveri Kari[4]
[1, 2, 3, 4] Dept of Information Technology Engineering
[1, 2, 3, 4] Genba Sopanrao Moze College of Engineering,Balewadi

Abstract- *In India there are many people who migrate from state to state for job opportunities and many people select their profession as Handyman or the person with less education primarily chooses their profession as Handyman. Now here lies a problem, There are many people who are in need of skilled Handyman services but neither the people in need nor the skilled workers can contact each other inconvenient ways. Because the people who work as Handyman are not properly educated and have less knowledge of the digital world where they can increase their opportunities exponentially. This design is concentrated on how on-demand apps have disintegrated the maturity of traditional diligence. From the way we travel, eat, shop, and indeed date, all have. experienced a tremendous change. So, why not our ménage chores and errands? After all, we all need an Iron in our lives who can complete our ménage chores and run our. errands in a jiff. Before we understand the nitty-gritty of on-demand home services apps, let us start from the basics at what exact services that it provides. As the name suggests it serves as a platform where you can hire professionals for all your ménage chores at your fingertips. Like all other on-Demands, it's inbuilt with all the essential. functionality. Got a leakage issue at home, hire a plumber near your position who'll fix it. in no time. Got issues with your AC, call an air exertion expert who'll fix your AC in. just a matter of many twinkles. Also, these apps help in fixing problems of carpentry, house cleanliness, home appliances, and all other ménage problems.*

Keywords- Reactjs, Expressjs, Mongodb, Nodejs, Handyman services

I. INTRODUCTION

In India, there is a huge problem of unemployment but on the other side, there are a lot of people who can have the skills to do daily household works or many more things. but they cannot reach the customers so we had created a platform where the skilled worker will get a lot of jobs. It will help to decrease unemployment.

There are a lot of people who are in the search of right handyman skilled worker to get their job done. It can be any kind of work from cleaning the floor to repairing the doorbell. To keep this all process simple we are creating a web application where the user can online book the handyman services. We are MERN stack to develop the application. It includes MongoDB a database, Expressjs which is a javascript framework, Reactjs which is used for developing the frontend of the application, and Nodejs is used for developing the backend of the application.

In this, we are going to add a two-way review system, where a user can give the review to a handyman worker and a worker can give a review to the user. Now the question is why do we need this type of implementation, we have caught some fault from both the user side as well as a worker side so this will help to keep the record of the reviews and it will also help while making any judgment.
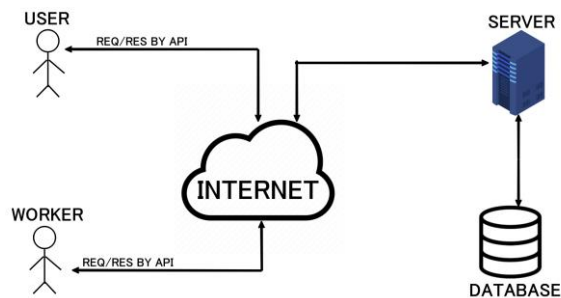
II. PROPOSED SYSTEM

A. EXISTING SYSTEM

Urban Clap is an app – based service marketplace that connects customer to service professional. Their strategy is to attach more and more number of consumers to use the platform of Urban Clap to form their life less difficult and cozy . With the rise in Nuclear families, Dual Career couples, the focus of customers is to spend quality time with their families whenever possible. Services at the doorstep at one click of the mouse is welcoming change accepted by customers today, giving rise to business model like Urbanclap, is here to stay for long time. However the success of these businesses is well dependent on how successfully Urbanclap can meet the expectations of its customers, reduce their pain and supply an awesome satisfaction to its customer base.

B. System Architecture

The proposed system consists of actors consisting of a worker and a client. The client has to do the registration and login process as well as Worker has to do the registration and login process, here the worker has to select a service and pay for that service. The user can select the service and handyman after that he/she has to make the payment. When the work is completed the user can give a review to the handyman. Now here even the worker can give reviews to the user according to his behavior so this will help to give a better judgment when the user raises any complaint.

We are using a NoSQL database that is MongoDB, Hence each document has a unique id. Here the handyman worker will also have a unique id as well as the user will also have a unique id. We will keep to different collections for users and workers. Here we will give an option where the handyman worker has to give his one skill in which he/she is best and he will be distinguished accordingly. When the user will log in he/she will see a number of handyman services he/she can choose any one of them. The user will be able to see all the handyman workers according to their skills, also the user will be able to see the rating of that worker. When the user will select any particular handyman he/she has to make a payment to that handyman. Now in the worker array, a particular user id will be added and in the user array, the particular worker id will be added for tracking purposes. The worker will get the time and date that when the work is to be done when the work is done the handyman worker has to confirm that is done the work and give a rating to the response of the user as well as the user also has to give the rating to the worker for his work. Here the user rating will be kept confidential.

C. Desired Outcome

To create a platform where skilled people who don't have enough digital knowledge hence cannot find customers/work, so they will find easily good jobs near them. The users will get more varieties for skilled workers. It will also help to maintain the transparency between all the payments of user and worker. In this application, the two-way reviewing system will help to give make judgments in various situations.

III. H/W & S/W REQUIREMENTS AND TOOLS

A. H/W & S/W REQUIREMENTS

A laptop or a smartphone that has a good internet connection. If it is a smartphone it should support at least a 3g internet network. The device should have google chrome or any standard browser. The browser is nothing but it will browse through a number of websites. The browser should be updated and also the browser should support the latest javascript ES6.

B. BACKGROUND TOOLS

React.JS

It's an open-source, front-end javascript library to develop UI components. It renders faster because of the virtual DOM, hence reloading can be made faster. Many real-time products use React Js like Facebook, Netflix.

Node JS

It's an open-source, server-side platform to develop the back-end. It has asynchronous data flow, so the output of one set of code does not wait for another. It never buffers data. It produces high performance with high scalability.

Express.js

We are using Nodejs so using expressjs is used for handling API, and web server through Expressjs, By using expressjs we are making nodejs easy and efficient.

MongoDB

It's an open-source, document-oriented NoSQL database to store large amounts of data. It has a collection to handle the documents. It's a schema-less database. It stores data in JSON format, and hence it's more flexible. It has a key value to access the data easier

IV. CONCLUSION

This paper describes the use of the online handyman services booking web-application.

The user will be able to find number of handyman services and the the handyman worker will be get more jobs. Hence, this will help to solve the problem of unemployment in the country.

V. ACKNOWLEDGEMENT

REFERENCES

[1] Kamal Dharani, Sania Bhatti, Amirita Dewani; Renovate -It: A geo-based technical professional hiring system for repairing and maintenance services 2011

[2] Cunlu Zhang ,Yimeei Guo; A Knowledge Management System Solution Based on ASP Platform for Domestic Appliance Repair 2012

[3] Denis Gikundi; A Mobile application for locating the available handyman services within a locality 2011

[4] Reetesh V. Golhar, Prasann A. Vyawahare; Design and implementation of android base mobile app for an institute 2009

[5] Tom Seymour ,Jasmine Zakir Hussain; How to create an app 2014 [6] Pradeep Kothari, Android Application Development, DreamTech Press 2011.

[6] Dr. Ashok Talukder, Ms. Roopa Yavagal, Mr. Hasan Ahmed: Mobile Computing, Technology, Applications and Service Creation, 2nd Edition, Tata McGrawHill, 2010.

[7] Android SDK: A software development kit that enables to create applications for Android platform. Available: http://www.webopedia.com/TERM/A/Android_SDK.html

[8] Eclipse: Is famous for Java Integrated Development environment. Available: https://eclipse.org/ide

[9] N. M. Indravasan, Adarsh G, Shruthi C, Shanthi K. "An Online System for Household Services". International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, May 2018.

[10] F.Frasincar, G.J. Houben, P.Barna, "Building Web information systems using Web services". International Baltic Conference on Databases and Information Systems, 28 August 2006.