

Contract Labour Hiring System

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Abstract - The Contract Labour Hiring System (CLHS) is an android application that is helpful for common people as well as organizations or contractors. In the existing system, all the activities are done manually, so it is expensive and time-consuming. In our proposed system, common people or organization can hire different types of labour and can have a better look at their details by using the android devices easily. The data will be stored in a secure database. The common people or organization can log in to their account through the app itself and update information or requirement according to their needs. In our system, common people or organization can view labour details such as type, cost, location, availability etc. The contract labour hiring system also helps to reduce the time and effort in searching for workers efficiently. Also, this system makes a worker obtain suitable work for their category throughout the year and enhance their financial status.

Keywords - Labour, Customer, Android, open source, Software development kit, Interface.

I. INTRODUCTION

Contract Labour Hiring System is one of the important systems in any enterprise. Contracting/Outsourcing is resorted to for non-perennial activities. The software modules are comprehensive and complete with all relevant details of Contracts, Contractors and contract workmen deployed by the Contractor employers for works.

In our project, common people can hire different types of labour and have a better check and control over the contractors and the contract workmen under them. Using the CLHS, we implement the Security norms that help create a Safe & Secured work environment, ensure compliance with statutory provisions and a measure of openness and transparency, Contractors and Contract workmen and relevant stakeholders, to know the status of bills, payments etc.

The CLHS system is designed for digitizing the work environment to ensure speed, accuracy and smooth flow of information.

II. LITERATURE SURVEY

In recent years, several contract labours hiring systems have been introduced. In [1] Reena Chaudhari & Akshay Kshirsagar proposed system, common people or organization can hire and view labour details using Android phones. In [2] Janine Berg & Uma Rani provides one of the first comparative studies of working conditions

on microtask platforms, including pay rates, work availability, work intensity, rejections and non-payment, worker communication with clients and platform operators, social protection coverage and the types of work performed. In [3] Pavitra Ravindra Alur proposed the overview of the contract labour system in India, Evolution, the analysis of the present law and various loopholes under the Act. This paper also analyzed the history of the contract labour Act and how the existing law evolved in India by referring to various committees' recommendations. In [4] Ankit Sourav Sahoo proposed the principal aim of the Act and to prevent exploitation of contract labour and also to introduce better conditions of work. In [5] Adedeji Afolabi & Victor Daniyan proposed research to develop a web-based human resource sourcing system for labour only contracts. The study made use of a questionnaire instrument and developed a web-based interface for skilled labour sourcing.

III. EXISTING SYSTEM

When our team studied this system then we found that this is an unorganized sector. In that Capitalist hired worker through the broker, there is no direct contact between capitalist and worker. The worker decides all details with the broker, so there is a lack of communication between worker and Capitalist. Due to that both worker & Capitalist faced many problems as we discussed earlier. the existing system has the individual profile of the labour should not get maintained. If we maintain the profile for each labour, it should contain all records and his ratings as per his work.

The existing system is not that user friendly. Existing systems have some drawbacks. The existing application compulsorily needs android mobile phones for operating application. If there is no android phone labour should not be able to use it. It does not have any other registration option like toll-free

IV. APPLICATION

- This application allows a worker to improve his financial state since he will get work throughout a month.
- This application makes the customer find the workers easily and hence makes their work done.
- This application will help many workers to get daily work and satisfy their daily needs.
- This application makes a worker obtain suitable work of his/her category throughout the year and enhances his/her financial status.

V. PROPOSED SYSTEM

The system architecture has smartphones with Android OS. The android smartphones or Tablet must use 4G or Wi-Fi network for internet connectivity to ensure better performance however 3G network also comes in use but this will add the disadvantage like time-lag. Otherwise, it will be ok with 3G network.

The labour as well as contractor or capitalist will log in to our system through Android smartphones. Customer can see all the details of the particular labour through this application. Multiple registrations can be done in-app. According to detail the constructor, organization or a common people will approach labour via SMS with all details in it.

The application offers some features like trust, safety and reliability. This application help labour to get the job on click as well as all other people get the labour on one click. We also provide facilities for labors those who don't have an android phone and this facility is like we are going to register them through the toll-free number. This could be very useful to the labours those are illiterate and especially those labours who doesn't have the android phone

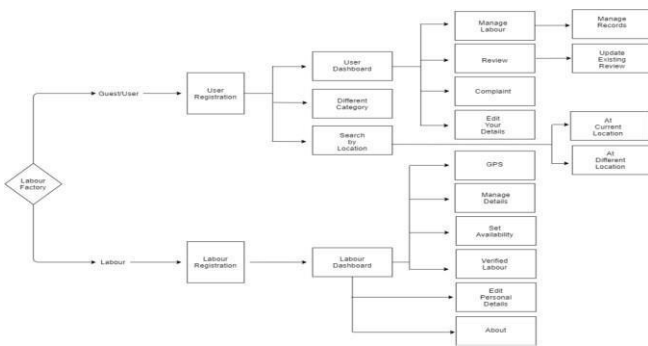


Fig 5.1 System Architecture

For implementing the contract labour hiring system, we need to follow some particular methodologies. Certain steps need to be performed for this process. Those steps are as follows: Steps for Contract Labour Hiring System: -

- Splash Screen.
- Labour/Guest Screen.
- Login.
- Registration.
- Add Detail.
- Homepage.
- Availability Of labour
- Labour Detail.

Above are the steps which need to be followed for a successful contract labour hiring system: -

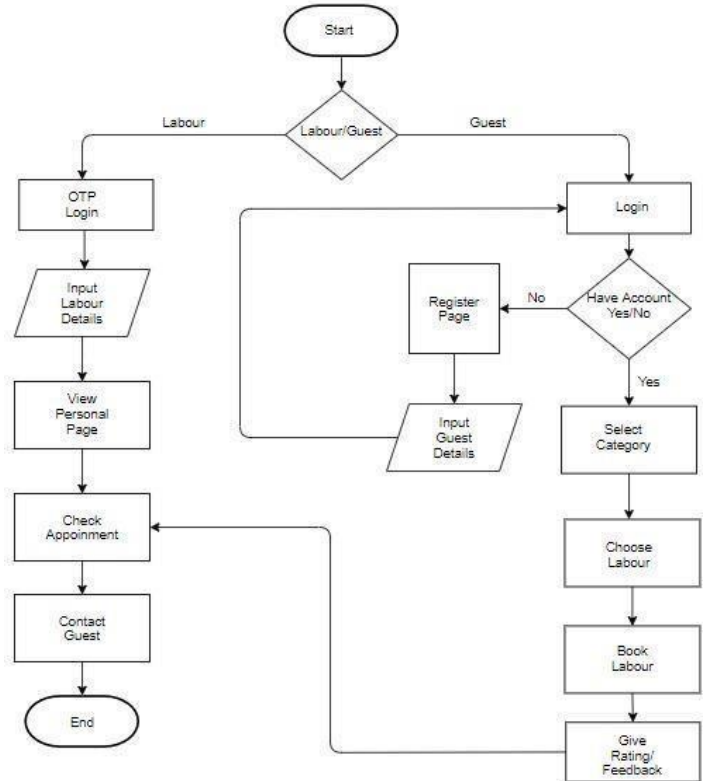


Fig 5.2: Flowchart

1. Splash Screen: -

- A splash screen is a graphical control element consisting of a window containing an image a logo and the current version of the software.
- A splash screen appears while a program is launching.

2. Labour / Guest Screen: -

- A screen where you get two options:
 - a) Labour
 - b) Guest
- Here you can choose the guest button to login and search for labour.
- Or you can choose the labour button to log in /Register as labour.

3. Login Page: -

- A page where a guest can log in to the app.
- If you are already a user then just put your phone number on the screen and click the submit button.

4. Registration Page: -

- If you are not a registered user then just put your contact number in the given slot and click on the OTP.
- You will get an OTP which you simply put in the OTP section and click submit.

- And now you are also a registered guest.

5. Add Detail: -

a) GUEST:

- This page will ask for the newly registered guest detail.
- Detail such as Name, Address, Contact No which will be stored in our database for easy access.

b) LABOUR:

- This page will ask for the newly registered labour detail.
- Detail such as Name, Address, Contact No, Adhaar No, Age, Experience, Category, Wage.
- This data will be shown in a simplified way in our app.

6. Homepage: -

- Here you will see the various category of labour to choose from.
- As per the guest requirement they will choose the category and proceed further.
- We have mentioned category such as Plumber, Electrician, Painter, Carpenter, Mechanic.

7. Availability Of Labour: -

- A page where you will be able to see several labours available in that category.
- Suppose you are searching for a painter, you select the painter category and after that, a new page will appear where you will see a number of the available painter to choose from.
- You can choose labour depending on their experience or wage.

8. Labour Detail: -

- Here you can see the personal detail of the labour you choose.
- And at the bottom of the screen, you will see a "book" button.
- By pressing the book button, you will get that labour booked for your work.

9. Feedback Page: -

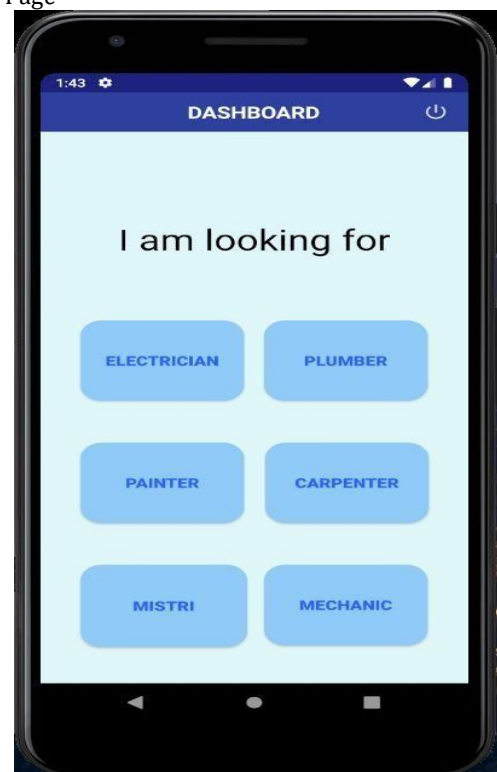
- Ratings and reviews are an invaluable source of feedback.
- Consumer reviews can help surface issues with Work.
- Application Allows Customer to Rate Labours Work.

VI. RESULTS

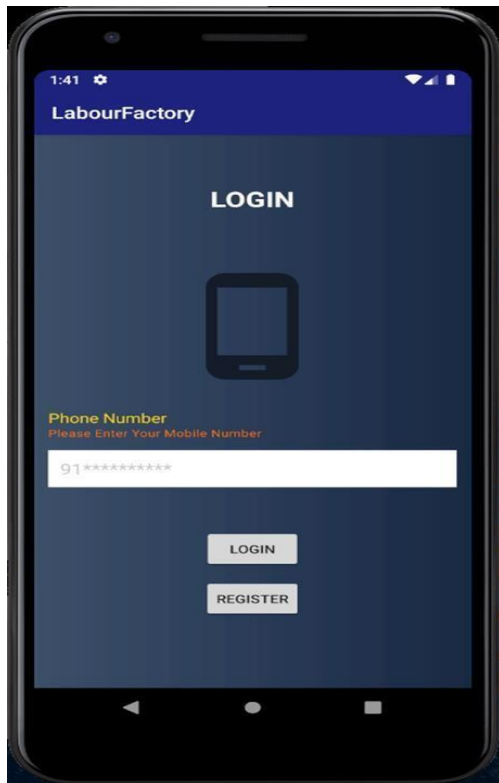
☑ Homepage



☑ Main Page



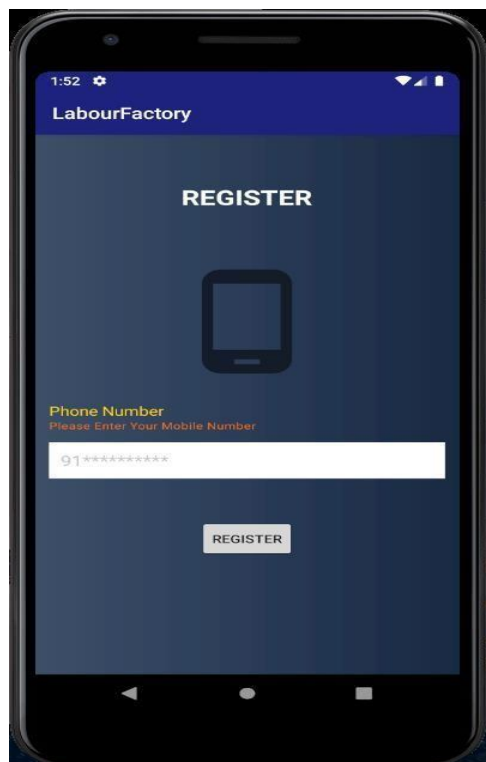
• Login Page



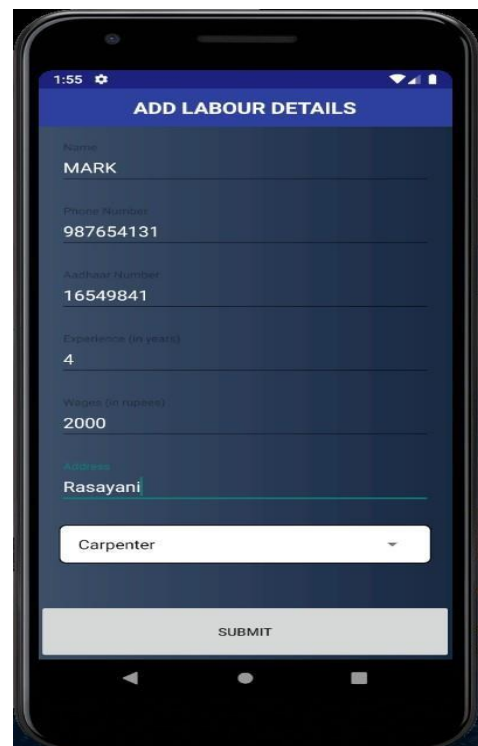
• Labours List



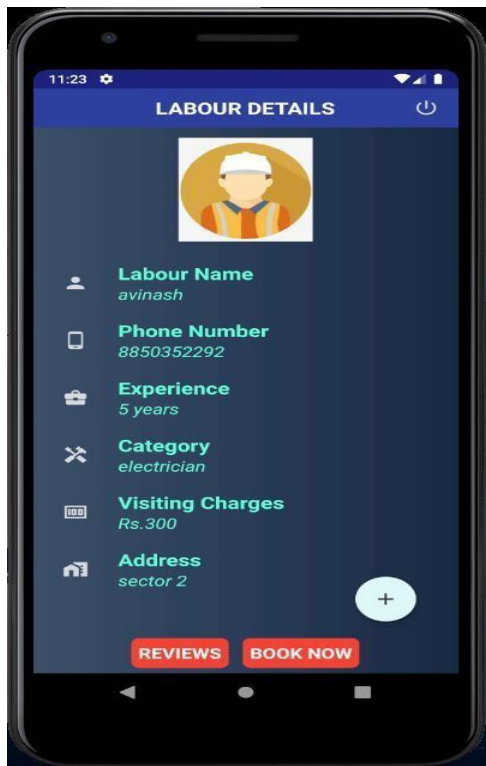
• Registration Page



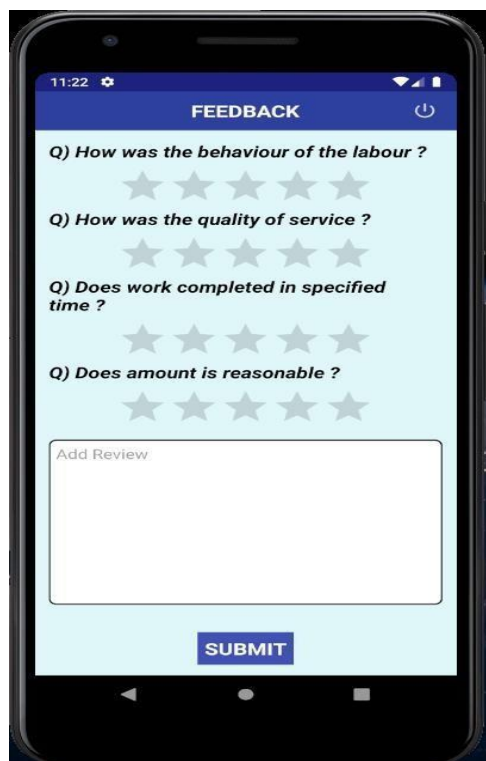
• Add Details



• Labour Details



• Feedback



VII. CONCLUSION

The Contract Labour Hiring System has made a User-friendly Booking Process, we Enhance our App in Security. Specifically, we present an advanced Scheme to Support Stronger Security by Providing new functionality of OTP (Onetime Password) for Security Purpose. By Considering the Globalization of Android Application we Develop an android application for Labour who work for Daily Wages (Payment). This application offers Time Saving, Reliability like OTP Verified, based on Reviews and Gps live tracking of Labours and easy control with the help of our app reduces the time needed to search raw labours. We provide a platform where labour can connect themselves to the digital world. Contract Labour Hiring System aims at Resolving issues like Communication Gap, Unavailability and Unreliability for the Consumers while at the same time- Increasing demand, Hours, Days and Value of employability for the Daily Wage Earners. This application provides a new way of hiring labour with a user-friendly and attractive user interface.

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