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Daily Wage Workers

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Abstract: In this project we are providing a smart solution for contractor and worker by providing an interface between workers and contractors. The contractor update the information of work in this application along with the location. Worker can select the work based on location and type of work, Then worker can directly contact with the contractor if he is willing to work. For this we are developing a android based mobile application, So that Contractor can upload work details. Workers based on location and type of work he can directly contact with the contractor.

Keywords: Contractor,Worker,Android application.

INTRODUCTION

Labour in India refers to employment in the economy of India. Over 94 percent of India's working population is part of the unorganised sector. Like migrant workers, contract and casual labourers. The unorganised sector has low productivity and offers lower wages. In India below poverty families where all working age members have only worked the unorganised sector throughout their lives. In India, the unemployment rate measures the number of people aged 15 and over actively looking for a job as a percentage of the labour force. At 7.30 am every morning, thousands of daily wage workers gather in labour street corners to solicit work from labour contractors. Nearly 150 other workers – carpenters, masons, painters, construction helpers – each trying to get noticed by contractors who may have jobs to offer for the day. But only a handful of them end up getting work. By 11 am, the remaining workers disperse, dejected and desperate for money. Though his daily wage from Rs 400 to Rs 500. He spends most of his income on feeding himself and paying rent (Rs 1,500 a month), and has very little left to send home to his family. Labour used to get at least 20 days of work a month, but now gets just seven or ten days."Day labor is work done where the worker is hired and paid one day at a time". Here our concept is providing work daily and the building contractors get work done easy by the worker and also save their time by not waiting in the streets for contractors for their daily work. Our objectives are we need Smart phone, App. To solve this problem we are developing a mobile application. So that in this app contractors can communicate with labours for work.

Existing Systems

1)**Shramik Bandhu**

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2) **Labour Hire app**

PROBLEMS OF THE EXISTING SYSTEM

It is a application that gives work for the labour. It suggest the companies to the worker so that worker will have to go and interact with that company for work

.

PROPOSED SYSTEM

BENEFITS OF THE PROPOSED SYSTEM

But our application provides communication between worker and contractor so that they contractor can directly interact with these workers.

METHODS

Software Requirements: Android studio,Xml,Java,Firebase

Hardware Requirements: Computer or Laptop, 32- or 64-bit operating system, x-64-bit processor, 4 or 8 GB RAM, Processor: Intel i3 or i5 or i7.

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LITERATURE SURVEY

1)Title: Labouradda

Description: This document is published in accordance with the provisions of Rule 3 (1) of the Information Technology (Intermediaries Guidelines) Rules, 2011 that require publishing the Terms for access or usage of OTAF overseas Private Limited via Labouradda Portals. This document meets the stipulations and conditions mentioned in Section 65B (2) of the Indian Evidence Act, 1872.
Link: https://www.labouradda.net/who-we-are

2)Title : Shramik Bandhu

Description : "Shramik Bandhu" – an employment platform for the skilled and unskilled workforce in India. It offers categories across manufacturing, construction, hospitals, Garments and leather, power and steel, construction, and automobile. Worker skills include Carpenters, Masons, Electricians, Plumbers, Domestic help, gardeners, drivers and more.

https://www.expresscomputer.in/news/free-employment-app-launched-to-help-migrant-and-workers-find-jobs/63683/

3)Title : Labour Hire app

Description : Labour Hire app is a mobile for application for construction industry's to hire workers.
http://labourhireapp.com/sectors/construction

MODULE SPECIFICATION

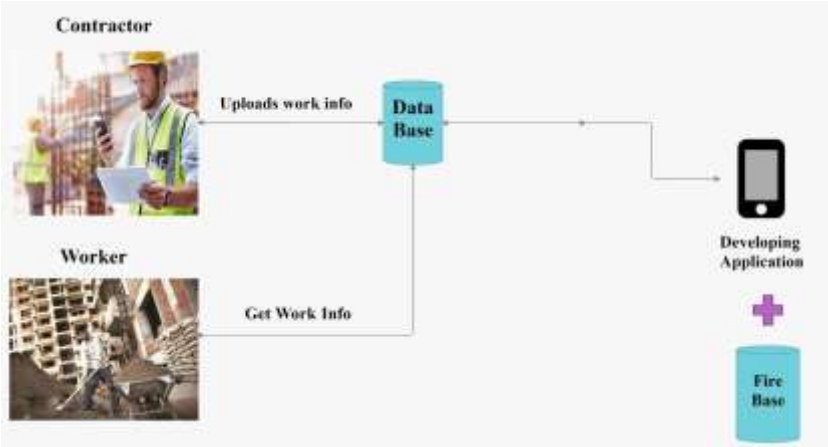
User Module:

- **Login/Register :**Users (Buyers/Sellers) can register themselves in order to get into the application.
- **Profile Verification:** For profile verification, users will get the profile verification link on the registered mail id. After verifying the account the users can get into account frequently to sell and buy things.
- **Add Personal Details:** Users can add their personal details where the mail id and phone number would be mandatory
- **Customer Support:** Users can take support related to the services from the admin.

Admin Module

- **Login :** Admin can log in to manage the various things such as operations, product,users and more.
- **Dashboard:** Dashboard should be user-friendly, and easy to use so that the admin can easily track the various activities running in the application.
- **Customer Profile Verification:** Admin can verify the profile of workers and contractors.
- **Cloud Storage Integration:** Admin can manage a large amount of data over the cloud storage with ease
- **Reporting and Analysis:** On dashboard admin will be able to see analytic reports of ads posted on app.
- **Push Notification:** Admin can send a notification to the users.

ARCHITECTURAL DESIGN



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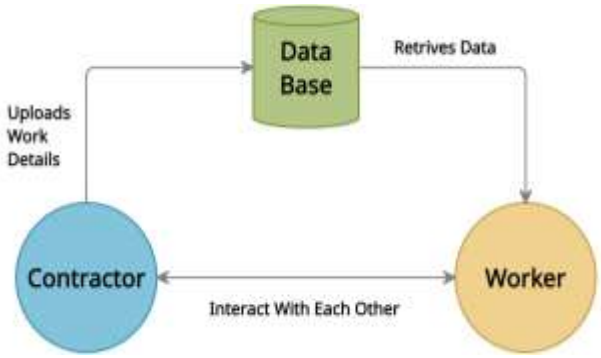
Design Concepts for Our Project:

- Abstraction: As the user's data is hidden with the password protected only, he/she can be seen when it opened.
- Modularity: As the project is divided into different modules, it is a modular design approach that we follow to develop.
- Information Hiding: As the user data is protected with a password i.e., the file is only seen by user.
- Architecture: As the project following program modules and providing conceptual integrity of the system.

ALGORITHM DESIGN

Step 01: User selects weather he is Worker or Contractor.
Step 02: Based upon the user category the login page will appear.
Step 03: If the User login as the Contractor then the contractor Dash board will open . It contains options like Create work, View allocated works and Logout.
Step 04: Contractor can post the work details by clicking on the Add Work button and he can also check his posted work details. He can Update and Delete the work.
Step 05: If the User login as worker then he has to select the type of the work and work location.
Step 06: After searching the work details and if the worker is willing to work, He can directly send Willing Message to contractor along with work details.
Step 07: Contractor receives the willing message from the worker.

DATA FLOW PROCESS



RESULTS

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SIGN UP PAGE

DOCUMENTS UPLOADING PAGE

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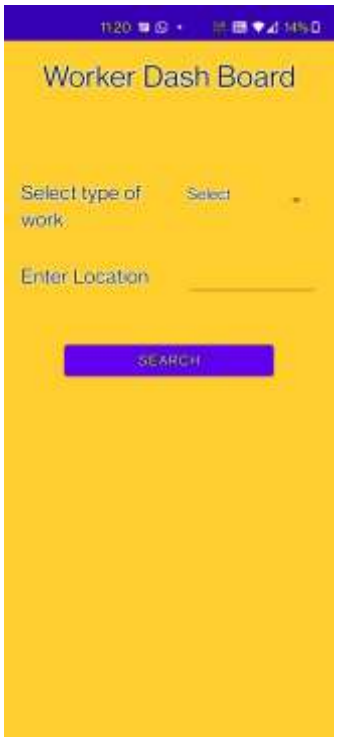
Worker Dash Board



Worker Selecting Work

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USER MANUAL

- There are several steps to be followed for using this:
- Initially users have to download and register into the application either worker or contractor, and then log into the application using the given credentials.
- After logging in we have the different fields based on category if he is contractor he has fields like create work, view allocated works, logout. If he is worker then he has to select type of work and preferred location for work.
- On successfully uploading the work details.work is stored in the database.
- Worker can able to see the work details based on his/her preferred type of work and location of work.
- If worker is interested he will send willing message to the contractor along with the work details.
- Later contractor will send conformation message to worker.

CONCLUSION

This paper provides a comprehensive review on developing **"Daily Wage Workers" Mobile Application.** It is an important aspect for providing the Smart Solution for Daily wage workers and Contractors.In this application it is possible for the Contractor to provide work information every day.The users can check the details of work at any time and from anyplace which makes it user friendly. This application can play a crucial role in upcoming days and make significant impact toward the development of reliable Work Management System.

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