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Hire Contractor and Worker

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Abstract: *In today's fast-paced urban environment, finding reliable contractors and skilled workers can be a daunting task. "Hire Contractor and Worker- Application for Searching Contractor and Worker in Cities" addresses this challenge by offering a streamlined, user-friendly platform designed to connect users with a diverse range of service providers. Utilizing the this application ensures robust performance and seamless user experience. Users can effortlessly search for contractors and workers, view detailed profiles, and directly contact them to discuss and arrange services. The platform also enables users to leave feedback, fostering a community of trust and quality assurance. For contractors and workers, "Hire Contractor and worker provides a comprehensive management system to post their services, handle customer queries, and manage feedback, enhancing their visibility and reputation. Admins play a crucial role in maintaining the platform's integrity by approving qualified contractors and workers, ensuring a high standard of service. By leveraging modern technology, "Hire Contractor and workere volutionizes the way individuals find and hire skilled professionals, promoting efficiency, reliability, and satisfaction in urban service provision.*

Keywords: Contractor, Worker, Hiring

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. OVERALL DESCRIPTION

Existing Solution:

In urban areas, the process of finding and hiring contractors or workers is often fragmented and inefficient. Traditional methods include relying on word-of-mouth recommendations, searching through classified ads in newspapers, or using general online platforms like Craigslist. Some people may use local service directories or mobile apps that focus on specific types of services, such as home repairs or cleaning. Additionally, many businesses and individuals still rely heavily on physical advertisements such as flyers and posters to reach potential clients. This fragmented approach lacks a centralized, streamlined system to connect users with reliable service providers.

Disadvantages of the Existing System

1. Inefficiency in Search and Communication:

- Users often spend significant time and effort to find a suitable contractor or worker.
- Communication is usually not streamlined, leading to delays and misunderstandings.

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2. Lack of Reliability and Trust:

- There is no standard vetting process, making it difficult to verify the credibility and quality of contractors and workers.
- Users have to rely on limited and sometimes unreliable reviews or personal recommendations.

3. Limited Accessibility:

- Traditional methods like word-of-mouth and local advertisements do not reach a broad audience.
- Potential service providers and clients may miss out on opportunities due to geographical or informational constraints.

4. Inconsistent Quality of Services:

- Without a centralized platform to monitor and review services, the quality can vary greatly.
- Users may face difficulties in holding service providers accountable for subpar work.

5. Manual and Time-Consuming Processes:

- Booking, scheduling, and payment processes are often manual, requiring significant effort and coordination from both parties.
- Lack of automation in these processes leads to inefficiencies and potential errors.

6. Poor Resource Allocation:

- Service providers may struggle to find clients efficiently, leading to underutilization of their skills and resources.
- Conversely, users may face challenges in finding available contractors or workers promptly.

7. Lack of Feedback and Improvement Mechanisms:

- There are limited opportunities for users to provide structured feedback on the services received.
- Service providers lack systematic feedback, which hinders their ability to improve and adapt their services based on client needs.
- The existing system's inefficiencies, lack of reliability, and fragmented nature underscore the need for a more streamlined, trustworthy, and accessible solution.

Proposed Solution:

The "Hire Contractor and worker application is designed to revolutionize the way users search for and hire contractors and workers in urban areas. This innovative platform centralizes and streamlines the entire process, providing a seamless experience for both users and service providers. The application features three primary modules: User, Admin, and Worker. Our innovative system offers a convenient solution for anyone in need of professional services. With We Fix, you can easily app or browse through a list of pre-screened professionals who have been for quality and reliability. Say goodbye to the hassle of researching and calling different service providers and say hello to a more convenient way to get things done.

Advantages of the Proposed System

1. Streamlined Search and Communication:

- Users can easily find and contact contractors and workers through a centralized platform, saving time and effort.
- The integrated communication tools ensure clear and direct interaction between users and service providers.

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2. Enhanced Reliability and Trust:

- The vetting process for contractors and workers ensures that only qualified and trustworthy professionals are listed.

3. Broader Accessibility:

- The application reaches a wide audience, making it easier for users to find available service providers regardless of their location.
- Service providers can attract more clients by showcasing their offerings on a widely accessible platform.

4. User-Friendly Interface:

- The intuitive design ensures a seamless experience for all users, from registration to service completion.
- Clear navigation and easy-to-use features make the platform accessible to users of all technical proficiencies.

5. Convenient and easy-to-use platform for all types of workers and companies to connect with each other and get work done.
6. The app provides a detailed listing of nearby workers and contractors, making it easy for users to find the help they need.
7. The user can get information about the quality of work, cost, and time needed to complete a particular job, allowing for informed decision-making.
The proposed "Hire Contractor and worker application addresses the limitations of the existing system by offering a reliable, efficient, and user-friendly platform for connecting users with qualified contractors and workers. This not only enhances the experience for users but also provides service providers with better opportunities to showcase their skills and grow their business.

System Module

- User
- Admin
- Worker/Contractor

Modules List:

- User
- Admin
- Worker/Contractor

User modules:

- Register
- Login
- View Contractor/Worker Details
- Search records & call
- Post feedback

Admin modules:

- Provide Approval Contractor or worker

Worker modules:

- Register
- Login
- Post Work details

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- Manage work details
- View Customer Query
- View feedback

Module Description:

User Modules:

1. Register:

Users can create a new account by providing their personal details and contact information.

2. Login:

Secure authentication for users to access their accounts.

3. View Contractor/Worker Details:

Users can view detailed profiles of contractors and workers, including their expertise, ratings, and contact information.

4. Search Contractor/Worker & Call:

Users can search for contractors and workers based on specific criteria (e.g., location, specialization) and directly call them from the app.

5. Post Feedback:

Users can leave feedback and rate the services provided by contractors and workers they have hired.

Admin Modules:

1. Provide Approval for Contractor or Worker:

Admins can review and approve or reject registration requests from contractors and workers, ensuring only qualified individuals are listed on the platform.

Worker Modules:

1. Register:

Contractors and workers can create a new account by providing their personal and professional details.

2. Login:

Secure authentication for contractors and workers to access their accounts.

3. Post Work Details:

Contractors and workers can post details about the services they offer, including descriptions, prices, and availability.

4. Manage Work Details:

Contractors and workers can update or delete their posted work details as needed.

5. View Customer Query:

Contractors and workers can view queries or requests for services from potential customers.

6. View Feedback:

Contractors and workers can view feedback given by users, helping them to improve their services.

III. REQUIREMENT SPECIFICATIONS

3.1 Hardware Requirements:

- Memory: 2 GB Hard Disk: 500 GB
- Processor: Intel Core i3, i5

3.2 Software Requirements:

- Operating System: Windows 10,11
- Front Design: Sublime Text Editor Frontend Language: HTML, CSS, BOOTSTRAP
- Backend Language: PHP, SQL (phpMyAdmin)

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3.3 Features Requirements:

- It saves time organizing different events.
- It helps to control the problems that usually happening an event.
- Online data submission is secure
- It gives real-time results.

3.4 Reliability

If the university LAN goes down or the server goes down due to a hardware or software failure, the software will not be able to connect to the central database.

3.5 Availability

The application is only available to authorized users of the university. The teachers will be able to mark the student's attendance and display all the enrolled courses, whereas admin will be able to add and update student records and perform operations on various parameters.

3.6 Portability:

The software is a Windows-based application, written in Java and SQL(phpMyAdmin), so it is platform-independent and operating system independent.

IV. DESIGN

4.1 Input design:

The input design is part of the overall system design and requires special attention. The input data design aims to make data entry simple and error-free. The input form is designed using the controls available in the Java framework. Input design is the process of converting user input into a computer-based format. System users interacting through the workstation must be able to instruct the system to accept inputs in order to generate a report.

4.2 Output Design:

Output Design of the given application generally refers to the results and informations that the system produces for many end users. Output is the main reason for developing a system and is the basis for assessing the usefulness of an application. The output needs to be attractive, convenient, and informative.

V. PROJECT DESCRIPTION

5.1 Problem Definition:

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.

VI. SYSTEM TESTING

After the source code is generated, you need to test the software and find (and fix) as many errors as possible before delivering it to your customers. Our goal is to design a set of cases that are likely to find bugs. Software techniques are used to reveal the error. These techniques provide a systematic guide for testing the internal logic of software components and the input and output domains of a program to design tests that reveal errors in program functionality, behavior, and performance. The internal program logic is executed using the white-box test case design technique.

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Software requirements are performed using the block box test case design technique. In both cases, the goal is to find the maximum number of errors with as little effort and time as possible.

VII. SYSTEM MAINTAINANCE

Software Maintenance does a lot of things other than just finding bugs. You should be prepared for any changes in the environment that might affect one's computer or other parts of his/her computerized system. Such activities are commonly referred to as maintenance. This includes both improving system functionality and eliminating failures that occur when operating a new system.This may include the ongoing involvement of most of the resources of the computer department. The most crucial task of the application or existing system is to change the environment.

VIII. CONCLUSION

Conclusion:

This 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.

Scope of future development:

The project has a very large future scope. The project can be implemented on the intranet in future. The project is very much flexible in terms of expansion that it can be updated in the near future if needed. With the proposed Database Space Manager software ready and fully functional, customers have the ability to manage and perform multiple tasks in a much better, more accurate as well as error-free way.

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