LABOUR MANAGEMENT SYSTEM

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Abstract - Today, the revolution in technology is posing lots of challenges for businesses while also offering huge advantages. The world has seen a massive and rapid growth in technology and hence, the human race has become more dependent and looking for more comfort every day. The need of the time is to be proactive in innovating, becoming more efficient, reducing costs, and providing customers with better services and believe in building customer relationships. Service On Demand to be a platform that connects consumers with service professionals like event planners, cleaning services, home services, chauffeurs, etc. and that acts as a marketplace for the purchase of such services.

Labour Management System is a technology platform that connects customers with a wide range of home services providers, including plumbers, electricians, beauty professionals, and many more. The Labour Management System aims to simplify the process of finding and booking reliable services in urban areas by leveraging technology and providing quality services at affordable prices.

I. INTRODUCTION

In today's world, the people are so busy, they don't even have time or skill for daily chores or fix their electric appliances for that they look for locals like Electrician, Plumber, Home Cleaner, etc but these locals are hard to find and their always a question on their availability.

This platform is not only an approach to help those persons who are certified but also for those who have skill and talent and are not certified. Most of people come from faraway places to bigger towns to become a graduate, a post graduate, for job purposes and to earn their livelihood after studying but are not much aware about their locality. The main problem lies there: "Finding a labour or skilled person nearby their residence, company or college".

The framework helps in getting contract points of interest and permit subtle elements. This platform is created by consolidating extensive examination, sees from the specialists of work expert fields and input of work consultancies. It will deal with your Organization all the more proficiently. A wide range of issues identified with Labour and Contractor Management with their Attendance issue is fathomed astoundingly by the product.

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II. LITERATURE REVIEW

Background History :

Even in 2014, customers experienced issues in finding the services they truly required. The trio themselves felt that there was a gap in how people found services and in the manner in which they connected with the service providers. So, using their encounters and understanding of the problems the idea of establishing an all-in-one platform came into the minds of the founders.

UrbanClap, as an organization, was created by understanding this need and by basically transforming the Yellow Pages design into an online stage. At first, it began as a stage that was lead-generation model, but over time Urban Company adopted a full-stack model that onboards gig workers offering them financial assistance, skills training, access to branded tools and products, and a ready-to-serve market. The full-stack model helped the company maintain quality standards irrespective of the partner delivering the service, thereby building consumer love and loyalty. In a short period of time, the three founders raised a good amount of funds from different ventures and by 2015, the startup had raised more than a million dollars.

Urban Company: Urban clap, currently known as the Urban company is marked as one of the fastest-growing startups nationally. It is an online marketplace that connects service providers to service seekers to solve all everyday problems. It will be your one- stop solution if you are searching for a beautician, plumber, yoga instructor, mechanic, lawyer, and many more. From The time when Urban clap was launched in 2014, the way the servicemen work and pay changed completely. Urban clap directly connects the professional to users for a better work experience. It all began with a handful of work professionals which now emerged into 50,000 groups of professionals and 20,000 in the queue trying to be part of this community.

HouseJoy: HouseJoy is a Bangalore-based company(initially) that was founded in 2015 by Sunil Goel and Arjun Kumar. The company was able to raise $4 million in its first round of funding from its partners. The Indian population almost raised the orders to 4000 a day, which resulted in company growth. Both HouseJoy and UrbanClap are the top competitors of this industry. The company also offers customer loyalty programs like free re-work, free insurance, etc for the customers, which helps in gaining loyal customers. They provide various services like cleaning, pers control, painting, carpentry, plumbing, and many more. The HouseJoy app is available for both Android and iOS users.

UrbanPro : This is a company that connects tutors, institutions and trainees with students. It was found by Rakesh Karla in 2012 in Bangalore. The platform has around 6.5 lakh verified tutors and institutions that give professional training for more than 25 lakh students and a million visitors per month. You can get your coaching for popular exams like CA, MBA entrance, medical entrance, UPSC, bank clerical posts, Staff Selection Commission, TOEFL, GMAT, IELTS GRE, and many more. They also offer IT courses in programming like C++, Java, Python PHP, and Data Science. There are over 100 categories of various coaches that you can choose from. Other than education they also offer services regarding yoga, drawing, photography, makeup, singing, and others.

Limitations of Existing System

- Most of these websites provided full or part-time job opportunities. Jobs like these required professional skills and technical knowledge and they are strictly bounded with their schedules which many people couldn't go for these jobs as they don't have enough time through their daily life.

- Also, these platforms provide jobs that are salaried i.e. job seeker get paid on a monthly or weekly basis. So such kind of job is not suitable for people who want to earn some money by utilizing their free time throughout daily life.

- Such types of jobs required Professional skills and technical knowledge.

- The service rates demanded by professionals are quite high.
- Although the app encompasses multiple service providers, some services like beauty, plumbing, etc., receive a negative reception among the audience.

- The delayed arrival of professionals is a matter of concern.

- The platform's relationship with service providers is a matter of concern
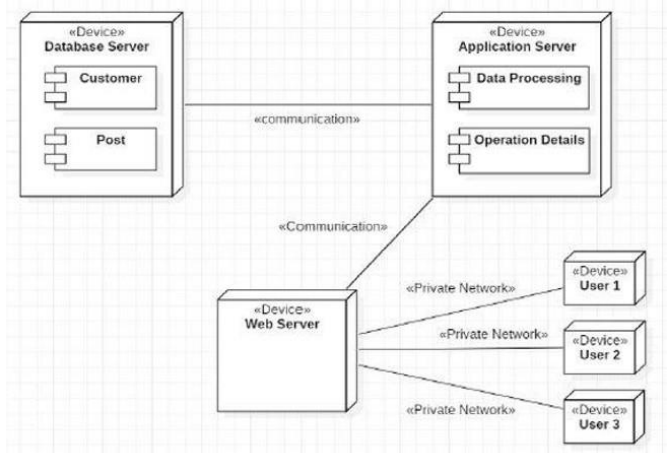
III. SYSTEM ARCHITECTURE OF LABOUR MANAGEMENT SYSTEM

Fig.1 System Architecture of Labour Management System
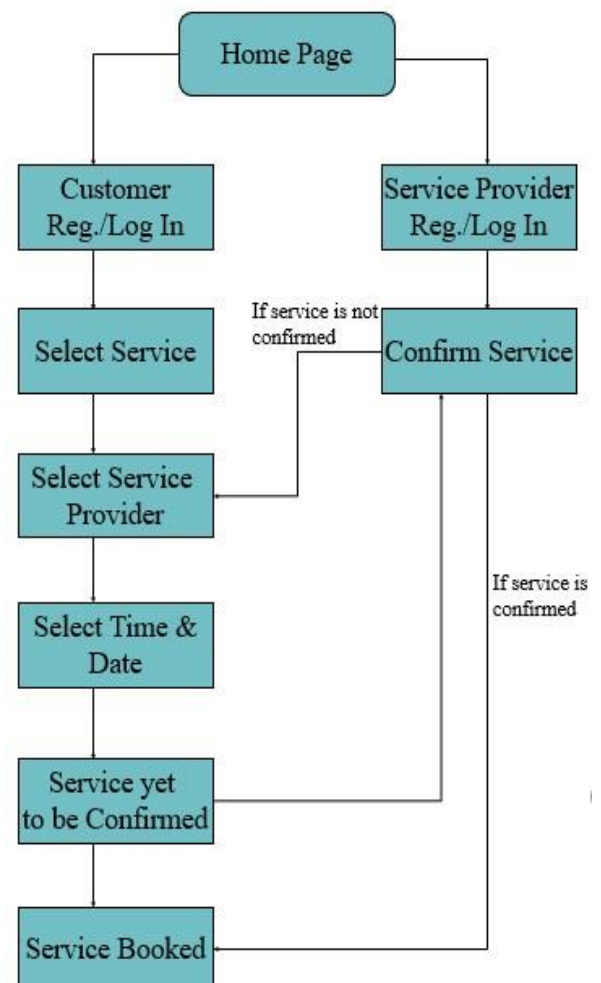
Working of Proposed System:

Fig.2 Flow Chart of System

1. User login:

- There will be a login activity in the starting of application so that no guest or unauthorized user can access

  - Name of application should be at the top of activity.

  - It will contain two edit text blocks for authentication.

  - At the end of activity, there will be a link for those who do not have account.

2. Services Provider Registration:

Registration page will consist of certain number of fields which are: Services, Category, Type, Description, Gender, Name, Skills, Charges

3. Create job:

- Job provider will be the person who will have right to register jobs, not job seeker. Registration Button will be disabled for latter. There will be a floating button in right bottom for registration. First Job provider will select job type among different job icons on the display. After clicking button, it will redirect the user to new activity. Registration for job will consist of some questions so that proper service can be provided.

- **4. Confirm Service:**

  If particular job seeker approves the request of job or selects any registered job while searching, then job confirmation will send to admin and admin will circulate it to job provider so that seeker can be identified while providing services.

IV. OBJECTIVE

- The main objective of this Labour Management System project is to have a completely automated project allotment system which can even be managed by a non technical person.
- To provide fast services to the customers by trusted professionals at home.
- To reduce the time and effort in searching for labours for daily chores.
- To Fetch all the contractor details, sub-contractor details and work order details will be made easy with just a single click.

V. ADVANTAGES AND DISADVANTAGES

ADVANTAGES

- A Labour Management System allows a person to find a needed service and place an order in a few clicks. This is a more efficient alternative to phone calls or personal visit.
- If something changes suddenly, customers can cancel their orders or reschedule an appointment.
- The biggest advantage is that it will help in making life Easier and time saving.

DISADVANTAGES

- Address can not fetch by using current location you need put your perfect address.

- Only a few types of Labour or Worker's are available on the platform.

VI. CONCLUSION & FUTURE SCOPE

CONCLLUSION

In today's fast growing world, help in reducing the burden of the customers by taking care of their basic house needs and services. It would behave as a platform to get connected to the most reliable, trustworthy and skilled laborers for their in-house services. help the workers, small businessman, retailers etc to adapt to the changing trend of technology and not be at loss or behind in any way. It is a small step towards reducing unemployment. The proposed system provides wide ranging services at the customer's doorstep. The framework is made such that both the customer as well as the worker (not highly educated) can easily understand and face no problem while using the app. From cleaning to pest-control, furniture and electrical works, painting, appliance and computer repair to beauty and wellness and design etc all services will be just a click away.

FUTURE SCOPE

Many enhancements can be done in this system. This system fit in with the ever changing requirement of the end user. Many more functionalities can be added to this system such as inclusion of different languages so that it can be made available to all the regional people who are not educated enough. Additional modes of payment can be included for the users to carry out transactions according to their convenience thus making it more user friendly. More services can be added according to customer's requirement and demands.

Labour Management System are a boon to people that help them cope with different chores. The real importance can be recognized in times of need when they are within easy reach of individuals. And, now these are catching up with the market trends quickly as they are considered a better option amongst other services. The biggest reason for their popularity is the dedicated functionality and easy access to resources.

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