Labour Management System

Harshvardhan Gaikwad 4947

Sanket Chaudhari 4948

- **Objectives of the project**:

- The main objective of this project is to have a completely automated project allotment system which can even be managed by a non technical person. This project will serve the purpose of maintaining all the contractor, user and labour details along with issuing registration certificate to contractor and verified labourers for small scale projects. This project will definitely reduce the time and effort in searching for contractors with expired licenses and for labourers for small scale projects. Fetching all the contractor details, labour details and work order details will be made easy with just a single mouse click. Overall management of Contract labor will be easy and quick.
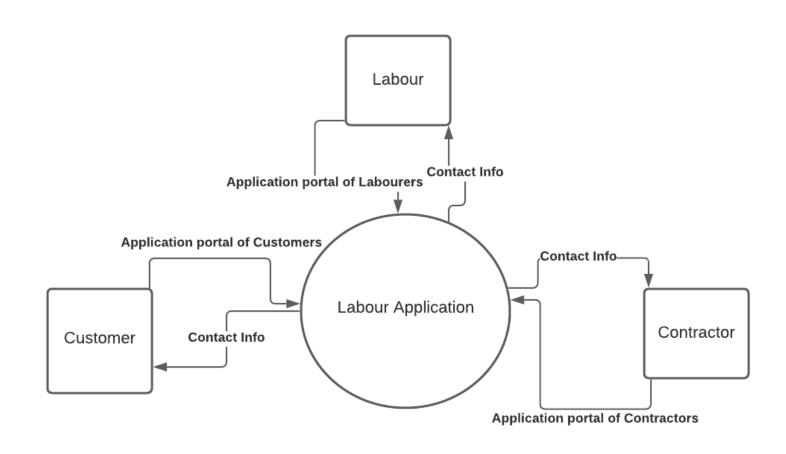
Existing System:

- No Online Procedure
- Contractor's Commission
- No Identity Details Shown to customer
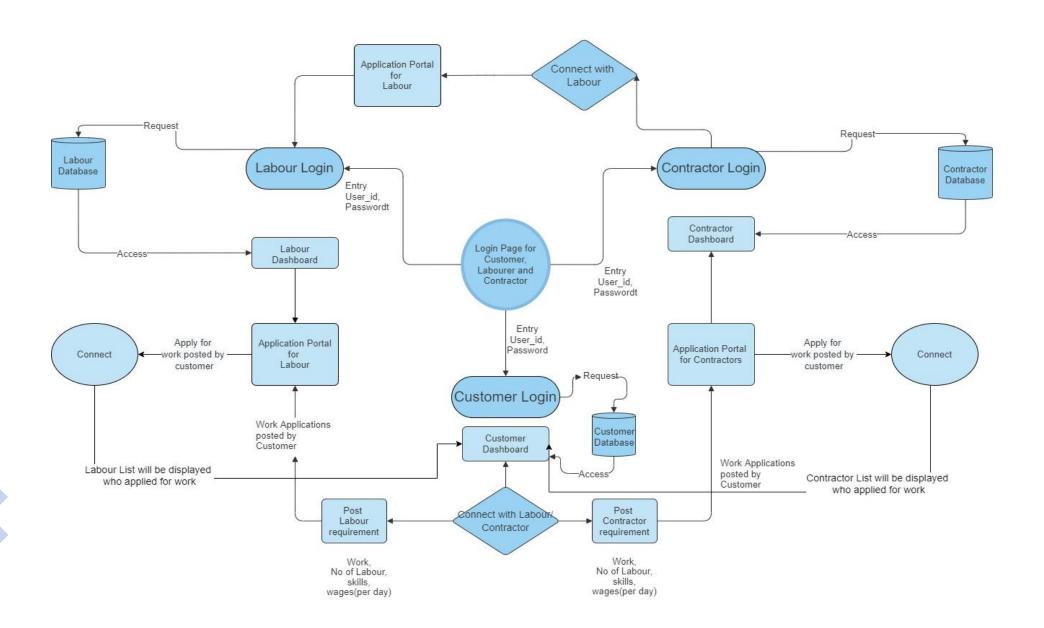- Difficulty in finding labour within the area

Proposed System:

- Online Procedure
- Labourers with given verification and Identity details
- No commission of contractors for small scale projects
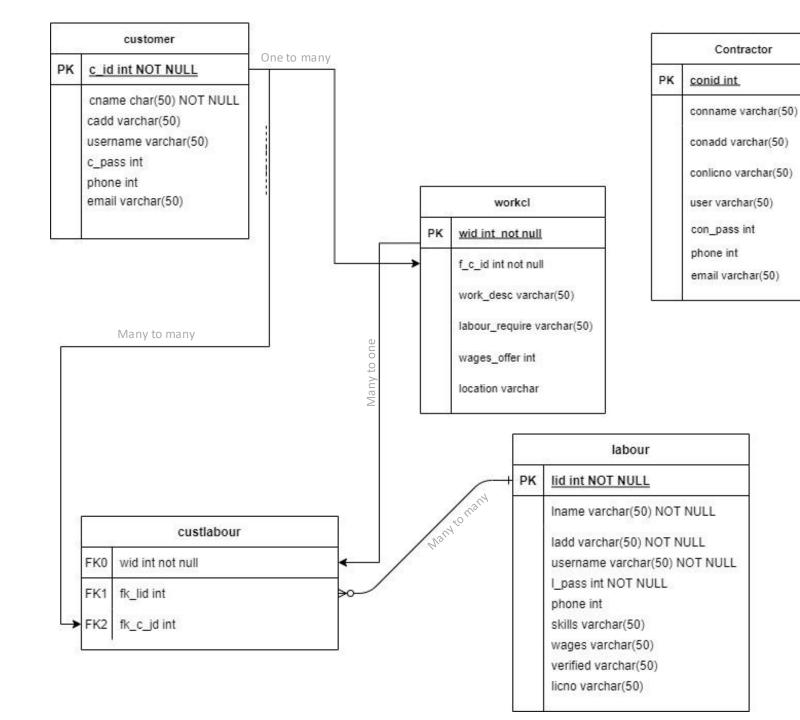- Can also connect with contractors for large scale projects
- Time saving

0 Level dfd

DFD Level 1 Diagram

ER Diagram

Modules:

The system will be having following modules;

Customer: Just like LinkedIn or naukri.com here the customers would post their work requirement including details of work, location, daily wages with negotiable feature and number of labourers required or they can directly connect with contractors for large scale project to get large number of labourers at a time.

Individual Labourers: The way graduates or experienced apply for job, the same method would be applied here. Here the labourers can search the daily posting of customers for work requirement, connect with them directly. Also for the labourers who want to work for large scale projects they can connect with contractors.
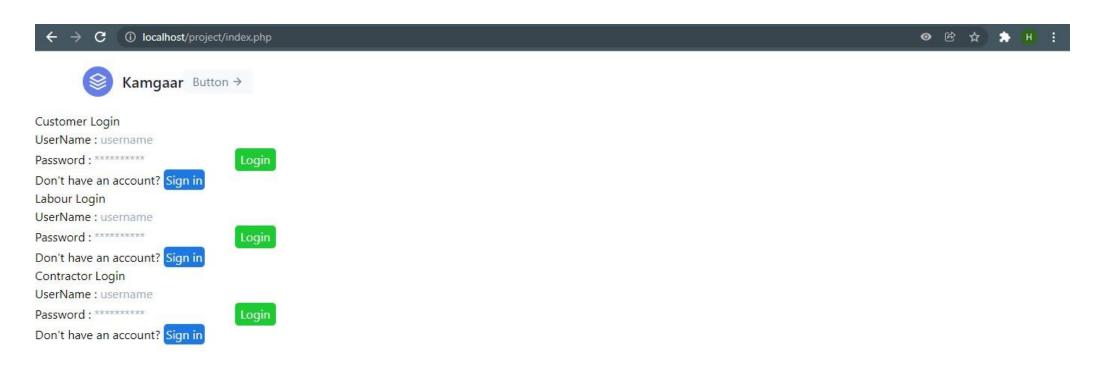
Contractor: Contractors can connect with customers for large scale projects as well as with the labourers to recruit them.

- **Hardware configuration**
- HARD DISC: 40GB AND ABOVE
- RAM: 512 MB RAM(minimum)
- PROCESSOP SPEED : 1.4 GHz Onwards
- **Software configuration**
- GUI HTML5/CSS3/Javascript
- Backend SQL, Javascript
- Visual Studio Code, Xampp, MySQL workbench
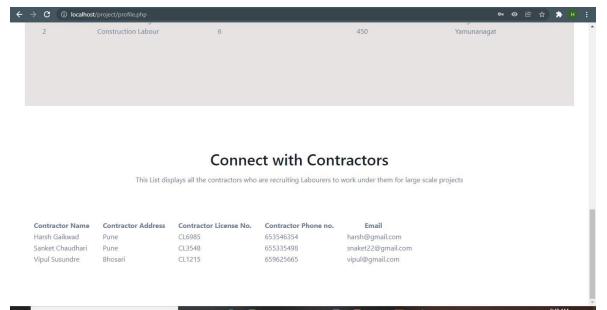
- **FEASIBILITY STUDY**
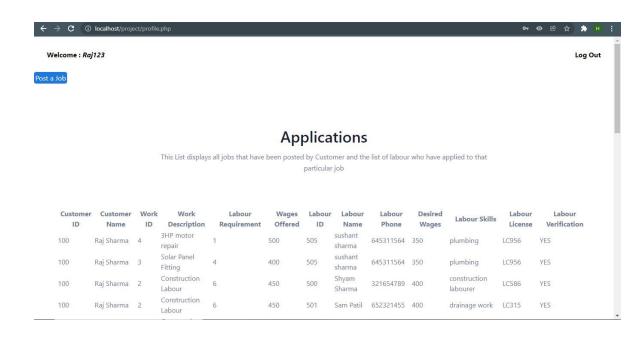
- **Operational Feasibility:**

- The project has been developed in such a way that it becomes very easy

- even for a person with little computer knowledge to operate it. This software is

- very user friendly and does not require any technical person to operate .Thus the

- project is even operationally feasible.

- **Technical Feasibility:**

- Technical feasibility determines whether the work for the project can be done with the equipment & software technology. Our project involves all the required specification like software application such as sql, workbench, jupyter/ visual studio code.

- **Economic Feasibility:**

- Cost benefit of the proposed system is that it is feasible as functions of this system is mostly on a online based platform and also helps in removing the commission of small contractors.

Home Page

Customer login page

Welcome : *Raj123*

Log Out

Post a Job

Applications

This List displays all jobs that have been posted by Customer and the list of labour who have applied to that particular job

Customer ID	Customer Name	Work ID	Work Description	Labour Requirement	Wages Offered	Labour ID	Labour Name	Labour Phone	Desired Wages	Labour Skills	Labour License	Labour Verification
100	Raj Sharma	4	3HP motor repair	1	500	505	sushant sharma	645311564	350	plumbing	LC956	YES
100	Raj Sharma	3	Solar Panel Fitting	4	400	505	sushant sharma	645311564	350	plumbing	LC956	YES
100	Raj Sharma	2	Construction Labour	6	450	500	Shyam Sharma	321654789	400	construction labourer	LC586	YES
100	Raj Sharma	2	Construction Labour	6	450	501	Sam Patil	652321455	400	drainage work	LC315	YES

| 2 | Construction Labour | 6 | 450 | Yamunanagat |

Connect with Contractors

This List displays all the contractors who are recruiting Labourers to work under them for large scale projects

Contractor Name	Contractor Address	Contractor License No.	Contractor Phone no.	Email
Harsh Gaikwad	Pune	CL6985	653546354	harsh@gmail.com
Sanket Chaudhari	Pune	CL3548	655335498	snaket22@gmail.com
Vipul Susundre	Bhosari	CL1215	659625665	vipul@gmail.com

Jobs Potsed by User Till Now....

This List displays all jobs that have been posted by Customer

"';

WORK ID	WORK DESCRIPTION	LABOUR REQUIREMENT	WAGES OFFERED	WORK LOCATION
4	3HP motor repair	1	500	Maval
3	Solar Panel Fitting	4	400	Sangvi
2	Construction Labour	6	450	Yamunanagat

Apply for any Job

Apply for any job by entering workid and customer id which is specified in the above list

Enter Customer ID	Enter Work ID	
		submit

Applications Applied

This List displays all jobs that you have applied till now

Customer ID	Customer Name	Work ID	Work Description	Labour Requirement	Wages Offered	Labour ID	Labour Name	Labour Phone	Desired Wages	Labour Skills	Labour License	Labour Verification
100	Raj Sharma	2	Construction	6	450	500	Shyam	321654789	400	construction	LC586	YES

Applications Applied

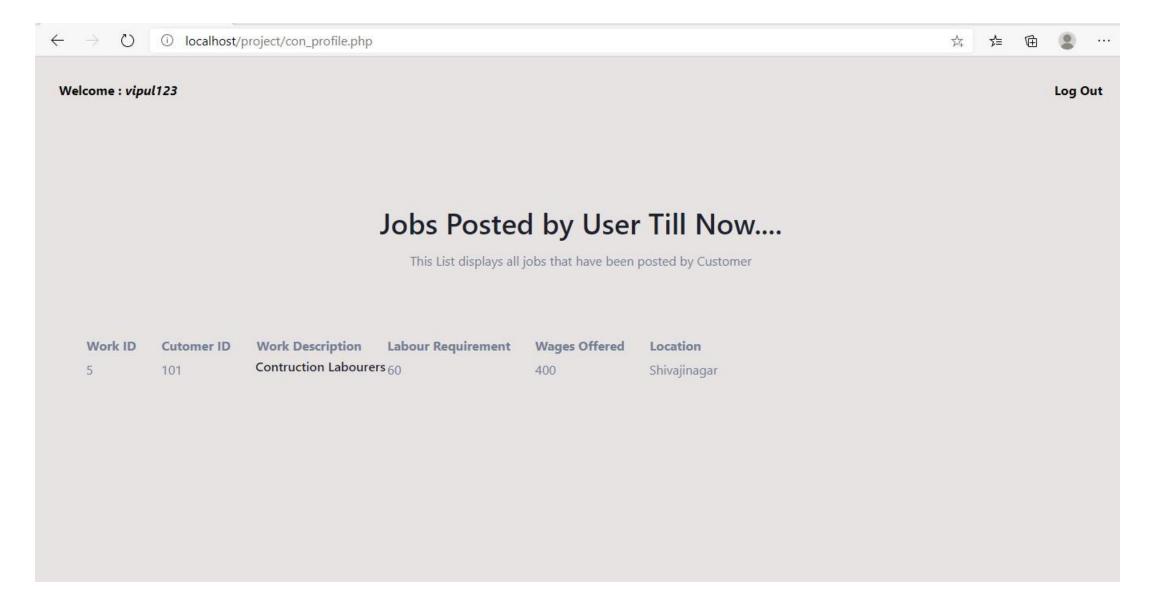This List displays all jobs that you have applied till now

Work Description	Labour Requirement	Wages Offered	Labour ID	Labour Name	Labour Phone	Desired Wages	Lab
uction	6	450	500	Shyam Sharma	321654789	400	const labou

Connect with Contractors

This List displays all the contractors with whom you can connect for large scale porjects

ess	Contractor License No.	Contractor Phone no.	Email
Pune	CL609E	652546254	harsh@gmail.com

Welcome : sushant123   **Log Out**

Jobs Posted by User Till Now....

This List displays all jobs that have been posted by Customer

Work ID	Cutomer ID	Work Description	Labour Requirement	Wages Offered	Location
5	101	Contruction Labourers	60	400	Shivajinagar
4	100	3HP motor repair	1	500	Maval
3	100	Solar Panel Fitting	4	400	Sangvi
2	100	Construction Labour	6	450	Yamunanagat
1	101	Agri Labourer	6	350	Chinchwad

Contractor Login

Welcome : *vipul123*   **Log Out**

Jobs Posted by User Till Now....

This List displays all jobs that have been posted by Customer

Work ID	Cutomer ID	Work Description	Labour Requirement	Wages Offered	Location
5	101	Contruction Labourers	60	400	Shivajinagar

Presentation – 2

Upcoming updates

Harshvardhan Gaikwad 4947

Sanket Chaudhari 4948

- Would be using concepts like web sockets to improve communication between the users.

- Going to create it more user friendly by using Ajax.

1. Add more features like chat application for users, view profile, give feedback for particular profile, read reviews given to a particular profile.

- Adding more features to contractor's profile page.

References

- https://www.w3schools.com/
- https://stackoverflow.com/
- https://www.geeksforgeeks.org/