Labour Management System

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- **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.
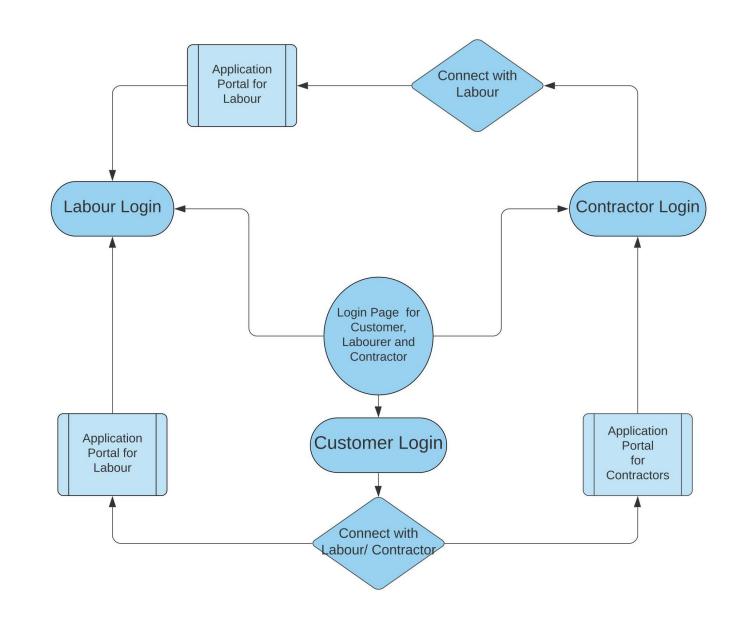
Existing System:

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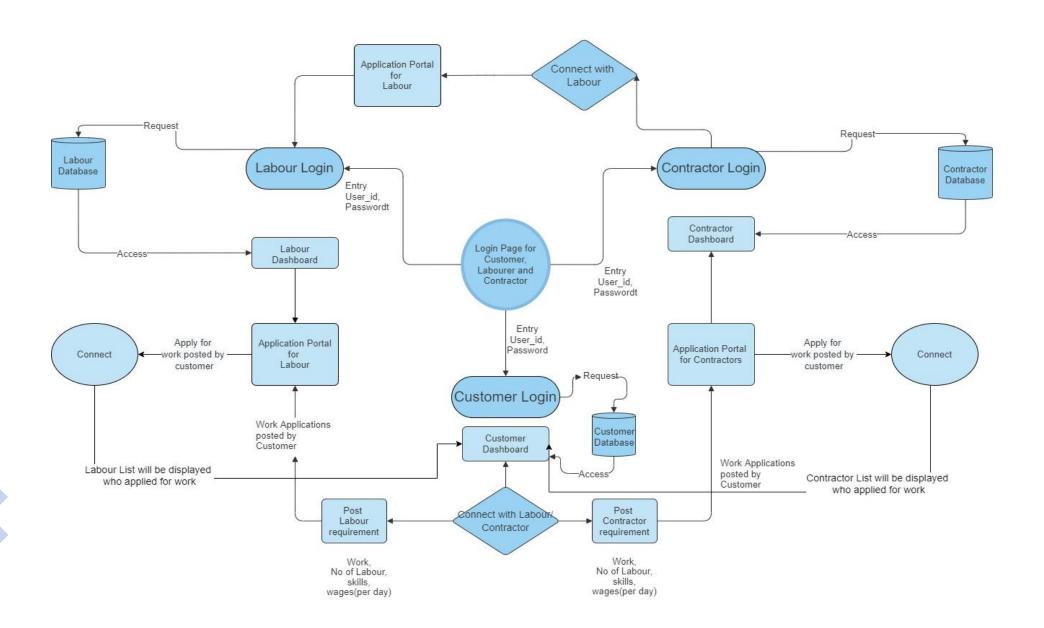- Difficulty in finding labour within the area

Proposed System:

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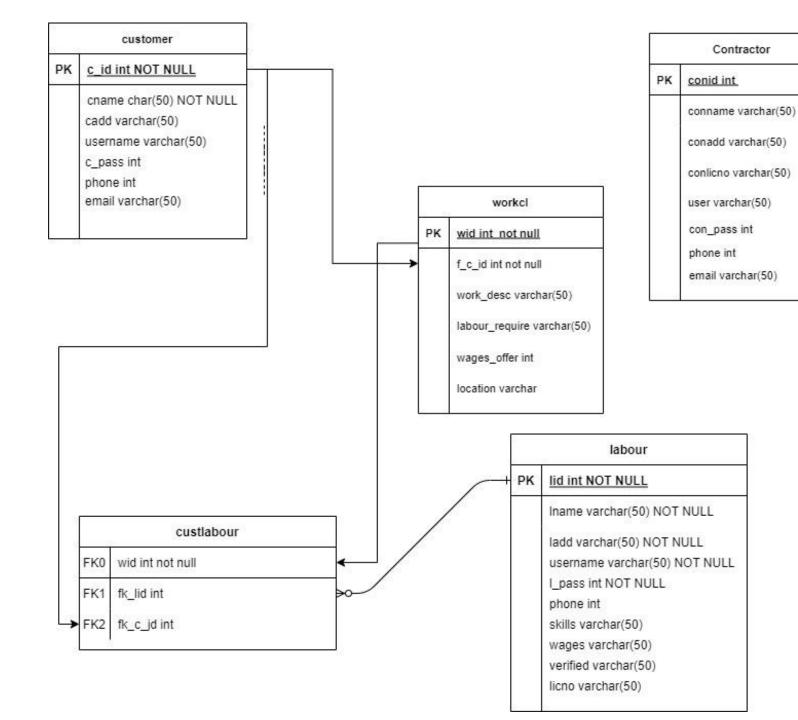- Can also connect with contractors for large scale projects
- Time saving

0 Level dfd

DFD Level 1 Diagram

ER Diagram

customer

PK	c_id int NOT NULL
	cname char(50) NOT NULL
	cadd varchar(50)
	username varchar(50)
	c_pass int
	phone int
	email varchar(50)

Contractor

PK	conid int
	conname varchar(50)
	conadd varchar(50)
	conlicno varchar(50)
	user varchar(50)
	con_pass int
	phone int
	email varchar(50)

workcl

PK	wid int_not null
	f_c_id int not null
	work_desc varchar(50)
	labour_require varchar(50)
	wages_offer int
	location varchar

labour

PK	lid int NOT NULL
	lname varchar(50) NOT NULL
	ladd varchar(50) NOT NULL
	username varchar(50) NOT NULL
	l_pass int NOT NULL
	phone int
	skills varchar(50)
	wages varchar(50)
	verified varchar(50)
	licno varchar(50)

custlabour

FK0	wid int not null
FK1	fk_lid int
FK2	fk_c_jd int

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.

References

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