Software System Laboratory
Project Proposal

Team name: KaryM

Team members

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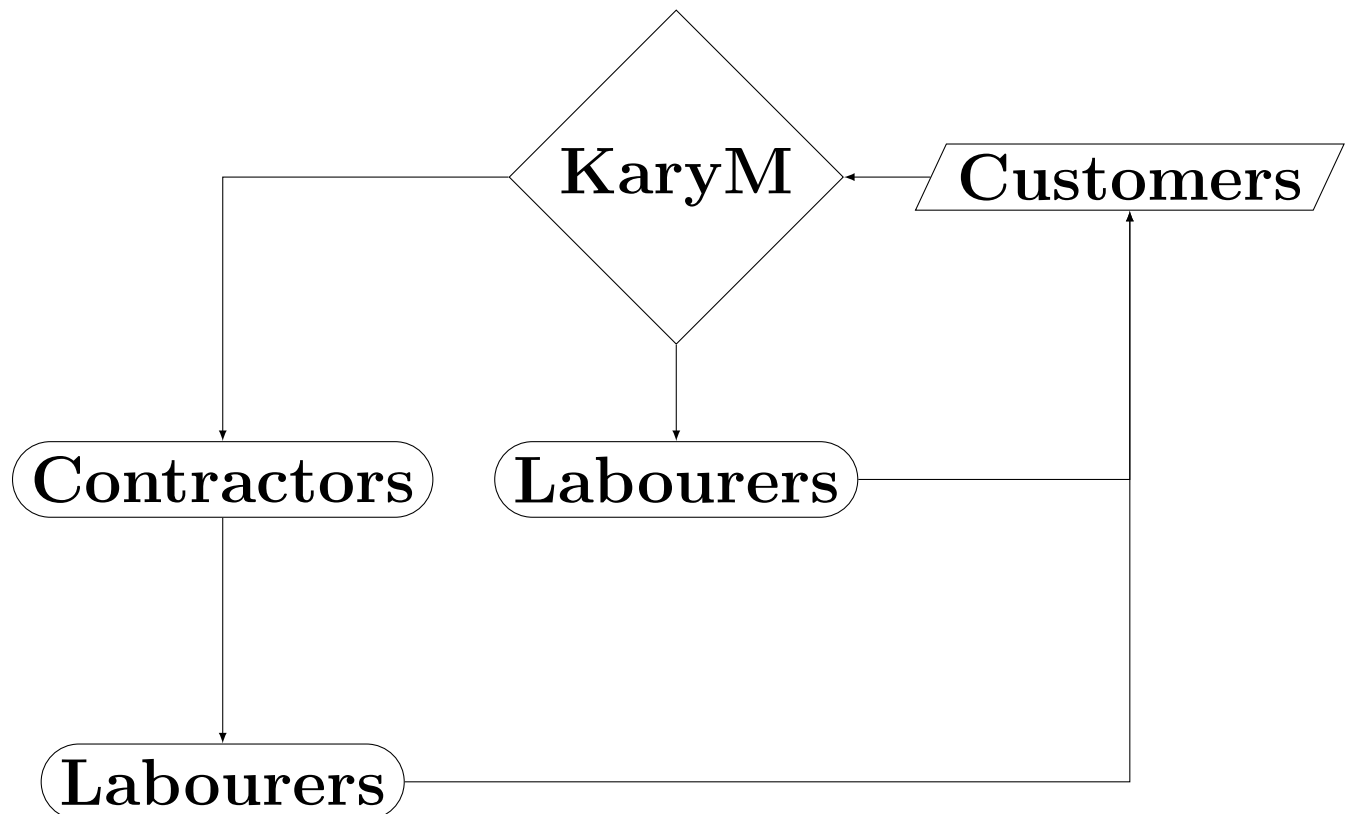- Vishal Gandluri (**210010017**)

Our proposal

- The fundamental idea of the project is to connect unskilled/skilled labour or those who can provide labour (i.e. contractor) with those who are in need of it.

- There are mainly three parties involved here: customers, labourers and contractors. This model connects the nearest possible labour or labour supplier to the customer.

Who are our Users:

- The customers who need labour, can register through the website using either their email or phone number.

- The labourer can either connect directly, if possible, or through a contractor whom he is affiliated with. Both skilled and unskilled labourers are welcome to register on our website and search for appropriate jobs.

- The contractor who have labours working under him and can provide labours when demnaded.

Working principle

- The website will connect the labourer with the client in two ways: directly or through the contractors.

- The labourers who are looking for work or a contractor who is willing to provide work can join our network. We will take the details and location of the labourer and contractor and store it in the backend database.

- When a customer submits a work request, the request is enqueued and labourers and contractors will be notified regarding the same. Once the labourer/contractor accepts the deal, the customer is connected to the labourer/contractor. Both the users may contact each other. The labourer will then proceed to the workplace to complete the necessary work.

- Additionally, labourers have the choice to add their profiles in which they can mention their skills to the website so that customers can view them.

KaryM

Customers

Contractors

Labourers

Labourers

Website Structure

- The home page is the first page, from which both customers and labourers/contractors are forwarded to their respective login pages.

- Customers and labourers/contractors can login using their sign in page if they are already registered users, if not they can create a new account.

- A labourer or contractor can view customer requests based on the skill they can provide after signing up. They can then decide which request best suits them. If they want to update their profile, they can visit their profile page.

- Customers who log in are presented with profiles of the labourers and contractors so they can get in touch with them and then they can submit a work request. Following that, their project proposal will be shown to the labourer/contractor.

Practical applications and need for this

- The problem this project tries to tackle is unorganised and non-uniform distribution of labour. Due to the existing recruitment structure, there is a chance that there will be a labour shortage on one side and a need for the same on the other.

- The project's aim is to make the recruitment process more efficient by increasing the odds of both the customer finding the required labour and the labourer finding the needed work.

PROGRAMMING LANGUAGES USED

Frontend

- HTML - For giving the structure to the web-page.

- CSS - For designing part.

Backend

- PHP - To create dynamic content and to interact with databases.

- MYSQL - For Storing databases.