



Anekant Education Society's
**Tuljaram Chaturchand College of Arts, Science and
Commerce (Autonomous), Baramati.**

A

PROJECT REPORT

ON

“Contractor And Worker Management System”

**Submitted to Savitribai Phule Pune University, Pune. For
T.Y.B.Sc.(Comp.Sci.)**

By:

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UNDER THE GUIDANCE OF

Mrs. Lata Jadhav

Academic Year: 2022 – 2023



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce
(Autonomous), Baramati.

CERTIFICATE

This is to certify that the project entitled “**Contractor and Worker Management System**” submitted by **Khomane Amit Sachin** in partial fulfilment of the requirement of the award of degree B.Sc. (Comp.Sci.) to Savitribai Phule Pune University, Pune has been carried out by them under my guidance satisfactorily during the academic year 2022-2023.

Date:

Guide	Internal	External	Head
(Practical)	Examiner	Examiner	Computer Science Dept.

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Problem Definition:

- All details of contractor, sub-contractor and work order allotment are done manually and on paper.
- It becomes very difficult to get all the details about any contractor in a short time.
- A lot of time, money and energy is wasted in searching as well as maintaining documents.
- Many times, contractors were not intimated on time about their license which was going to expire.
- Very difficult to manage workers for contractor.
- Difficulty in accessing softcopy of past project.

Scope of System:

- The main objective of this project is to have a completely automated project allotment system.
- All details of contractor, sub-contractor and work order allotment are stored securely on server.
- A lot of time, money and energy is saved in searching as well as maintaining documents.
- Very easy to generate reports of projects as well as worker on single click.
- Very easy to manage workers for contractor.
- No difficulty in accessing softcopy of past project.

System Requirement:

➤ Hardware Requirements

- Processor: Dual Core or Above
- RAM: 2GB(Minimum)
- HDD: 10GB(Minimum)

➤ Software Requirements

- Operating System: Windows 7,10
- Front End Tools: HTML, CSS, JavaScript
- Back End Tools: PHP, MySQL

Feasibility Study:

➤Economic Feasibility:

As existing system is manual, where data may not accurate, up to date, and available on time. But proposed system will be computerized, so we can overcome all limitations of existing system. Also, with this new system insertion, deletion and modification of various data will be easier to handle. This system will reduce the paperwork and quality of data will be improved.

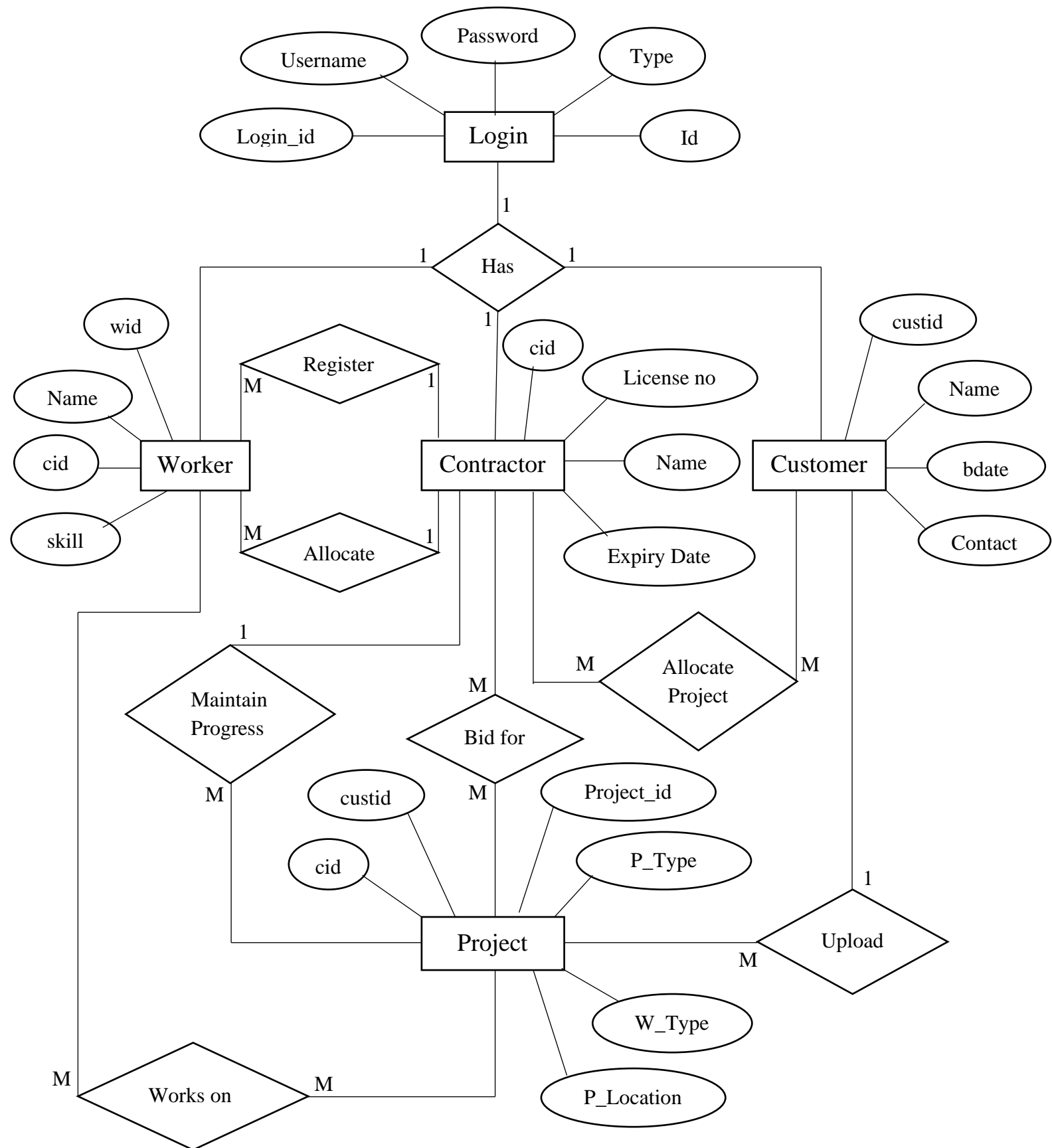
➤Technical Feasibility:

It is technically feasible, since the whole system is designed into the latest technologies like PHP, HTML and MySQL server which are the most recent technologies to develop web-based system and design database.

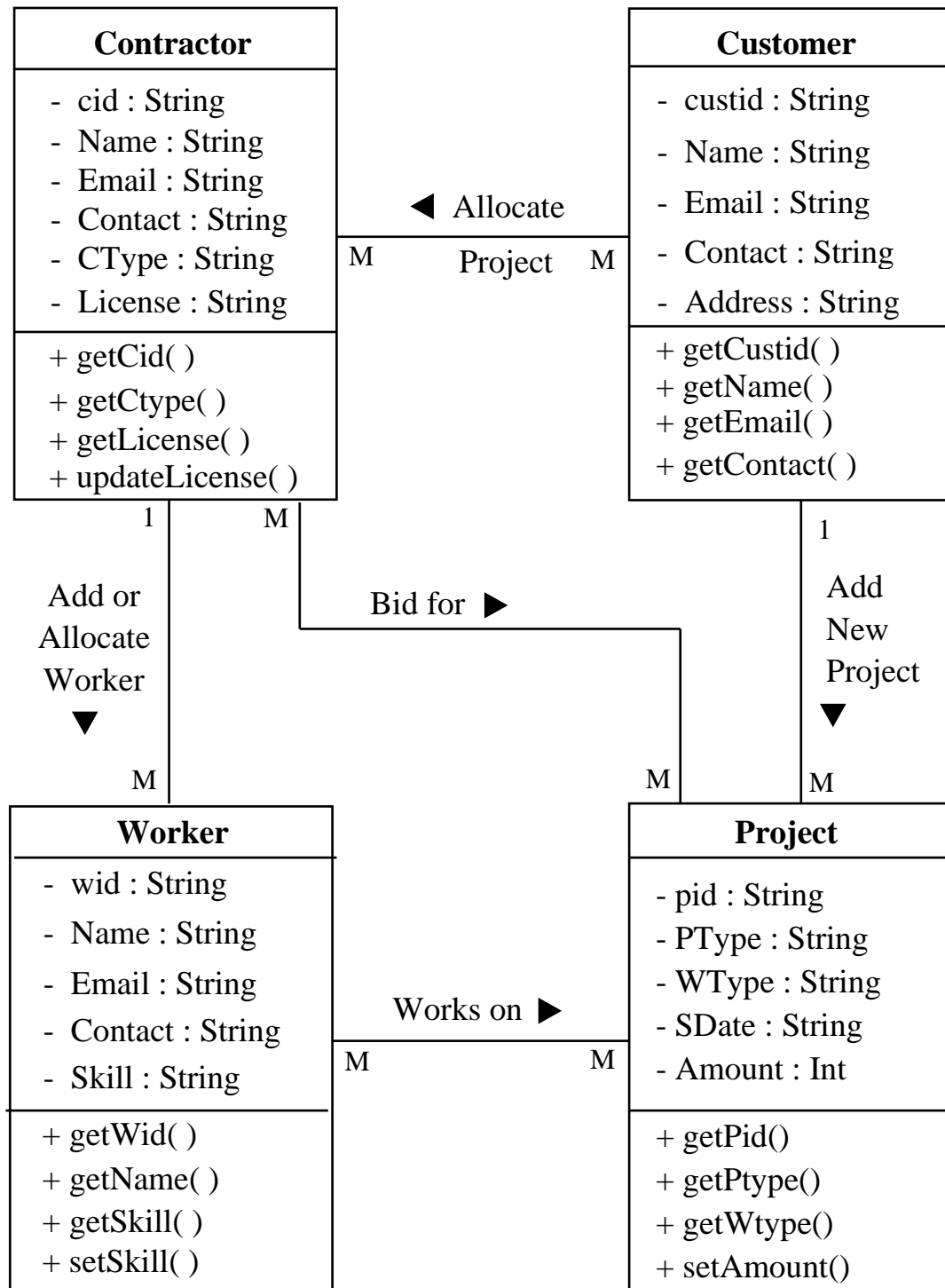
➤Operational Feasibility:

It is operational feasible, since the system is providing an interactive user interface to the operator/end user, so he/she feel very easy to work onto it.

E-R Diagram:

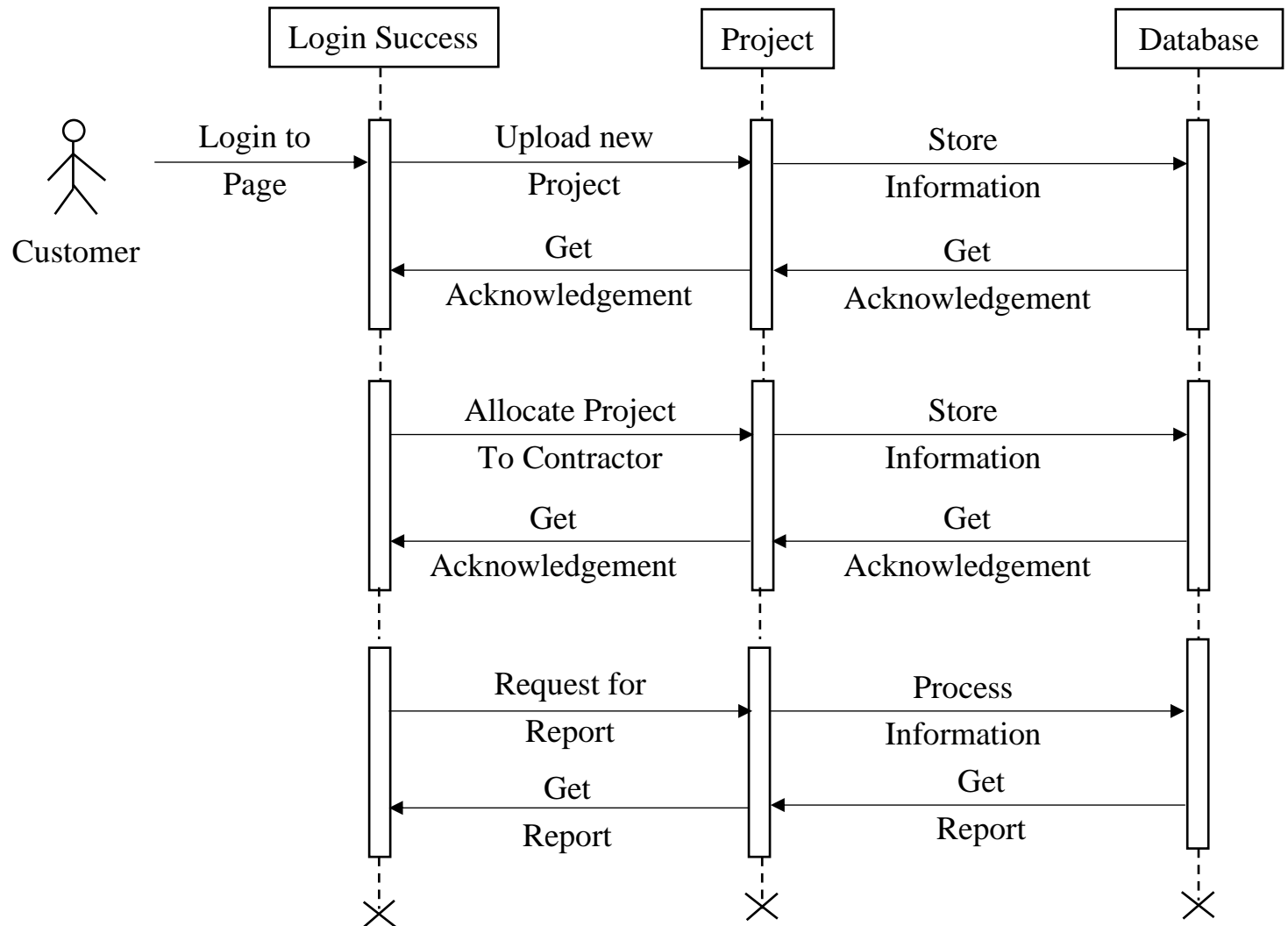


Class diagram:

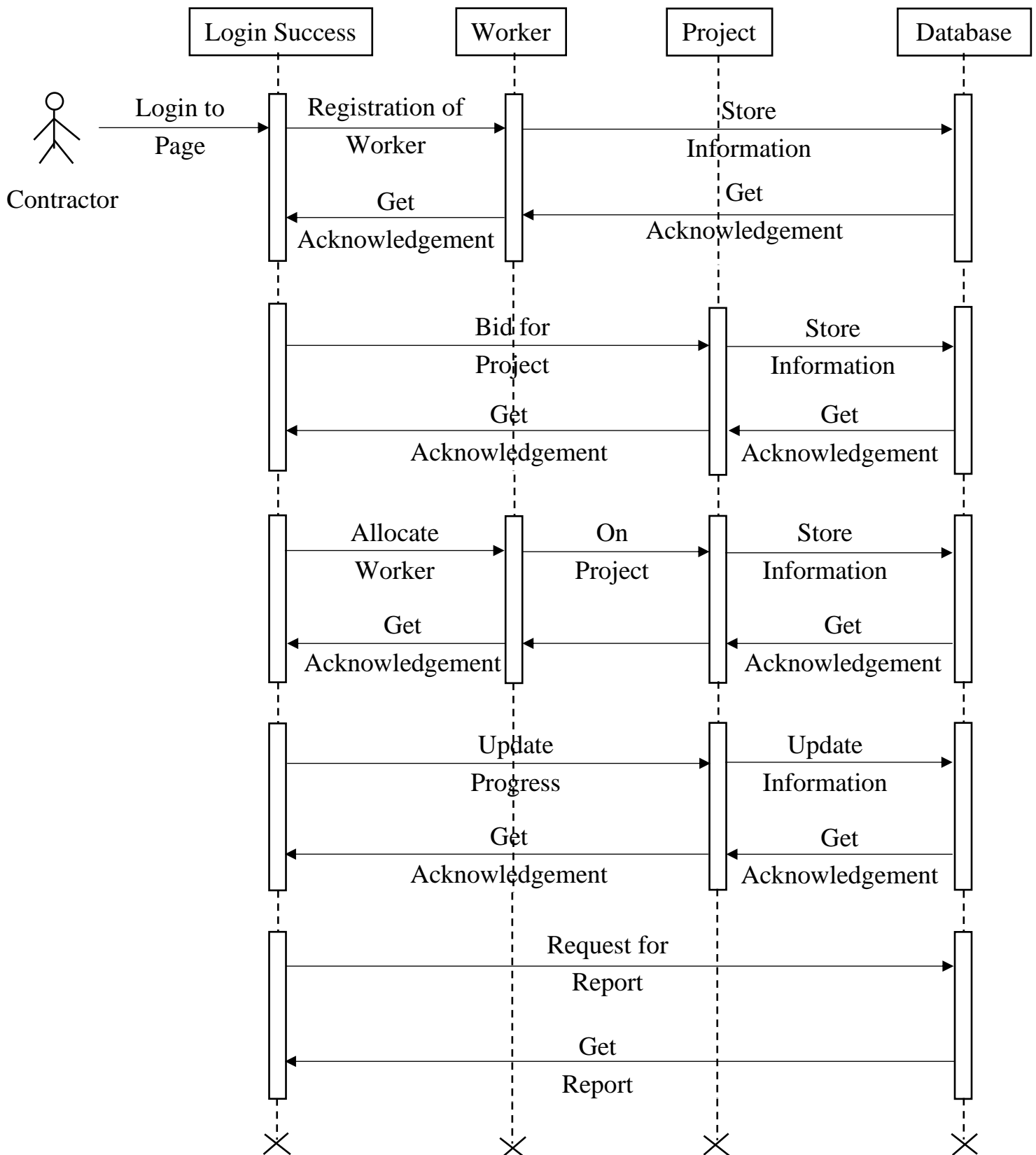


Sequence Diagram:

a) for Customer:

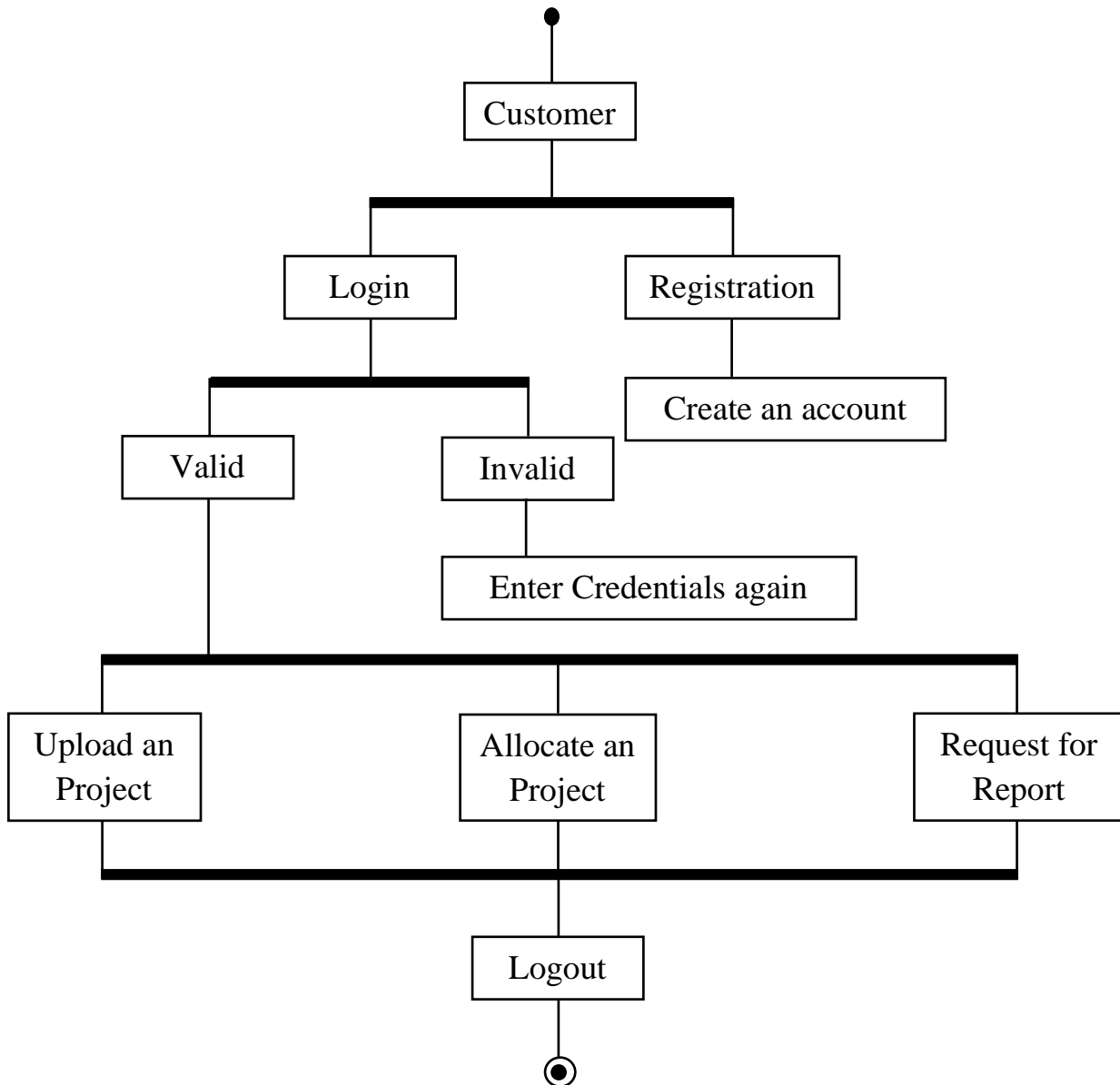


b) for Contractor:

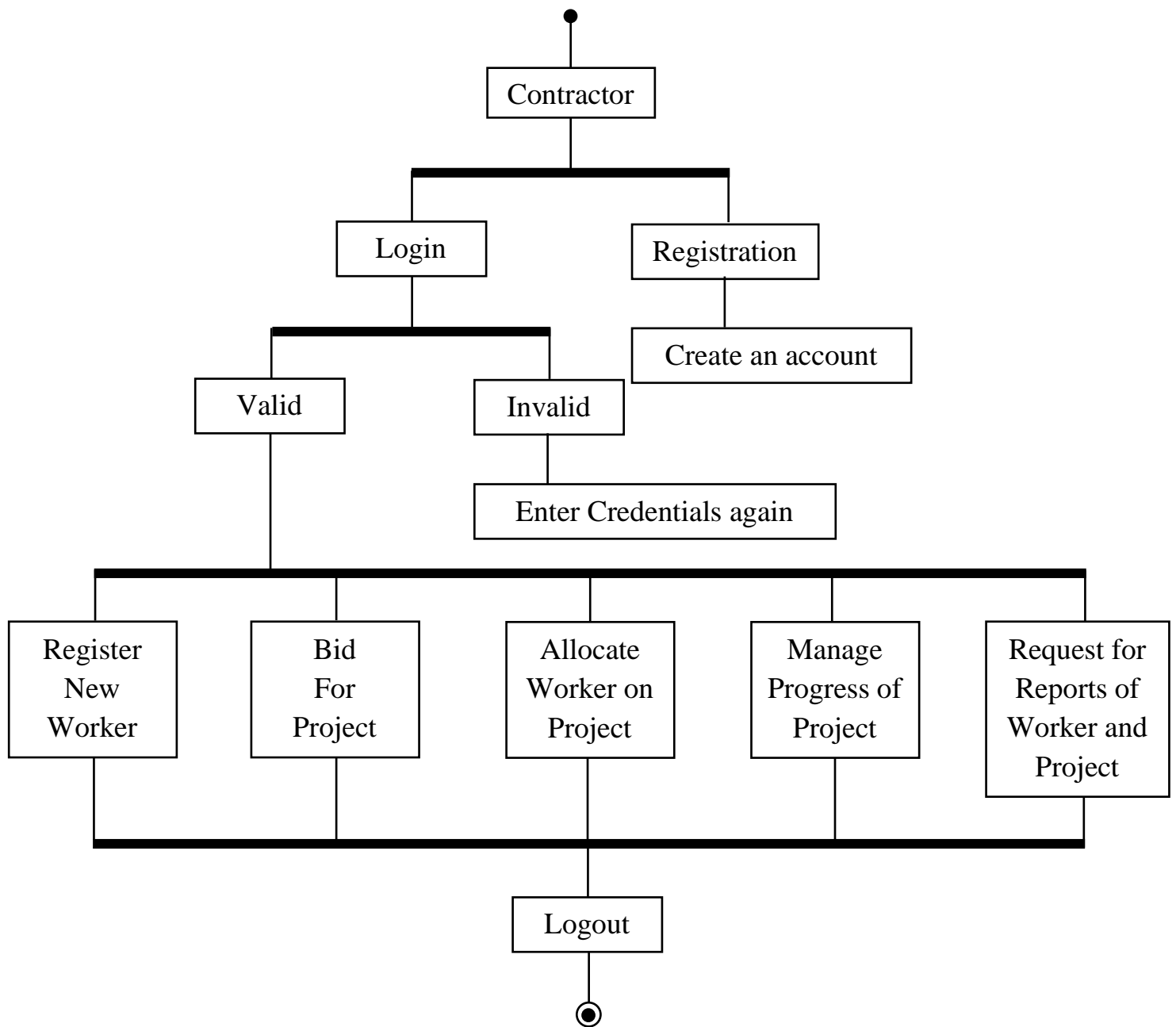


Activity Diagram:

a) for Customer:



b) for Contractor:



Input Output Screens:

a) Registration of Contractor:

The screenshot shows a web browser window with the address bar displaying 'localhost/myproject/php/signup_contractor.php'. The page title is 'Contractor Signup Form'. The form is divided into three sections: Personal Information, Official Information, and Authentication Information. The Personal Information section includes fields for Name, Email Address, Address, Contact No., and Birth Date (with a date picker). The Official Information section includes fields for Contractor Type, License No., and Expiry Date (with a date picker). The Authentication Information section includes fields for Username, Password, Confirm Password, Security Question (a dropdown menu with 'What is the name of your first pet?' selected), and Answer. There are 'Submit' and 'Reset' buttons at the bottom of the form. The background of the page is a dark image of a construction site with a crane.

Contractor Signup Form

Personal Information :

Name :

Email Address :

Address :

Contact No :

Birth Date :

Official Information :

Contractor Type :

License No. :

Expiry Date :

Authentication Information :

Username :

Password :

Confirm Password :

Security Question :

Answer :

Submit Reset

b) Registration of Worker:

The screenshot shows a web browser window with the address bar displaying 'localhost/myproject/php/contractor_addworker.php'. The page title is 'Add New Worker'. The form is divided into two sections: Personal Information and Authentication Information. The Personal Information section includes fields for Name, Email Address, Address, Skill, Birth Date (with a date picker), and Contact No. The Authentication Information section includes fields for Username, Password, Confirm Password, Security Question (a dropdown menu with 'What is the name of your first pet?' selected), and Answer. There are 'Submit' and 'Reset' buttons at the bottom of the form. The background of the page is a dark image of a construction site with a crane.

Add New Worker

Personal Information :

Name :

Email Address :

Address :

Skill :

Birth Date :

Contact No :

Authentication Information :

Username :

Password :

Confirm Password :

Security Question :

Answer :

Submit Reset

c) Registration of Project by Customer:

client addproject

localhost/myproject/php/client_addproject.php

Welcome Nikhil Anur Jadhav

My Projects Add New Project Allocate Project Project Report Log Out

New Project

Type of Project: Private

Type of Work: Mechanical

Web Location:

Start Date: dd-mm-yyyy

End Date: dd-mm-yyyy

Amount:

Tasks: Enter Tasks separated by comma(,)

Description:

Submit Reset

d) Allocation of Worker:

Contractor Allocate workers to project

localhost/myproject/php/contractor_allocateworker.php

Welcome Prajval Hemant Khaliye

Project Worker Project Report Log Out

Enter Project id Click

Project ID : W6887

Project Type : Private

Work Type : Electrical

Location : nira, pune

Amount : 11000

Start Date : 2023-03-15

End Date : 2023-03-25

Total Tasks : 3

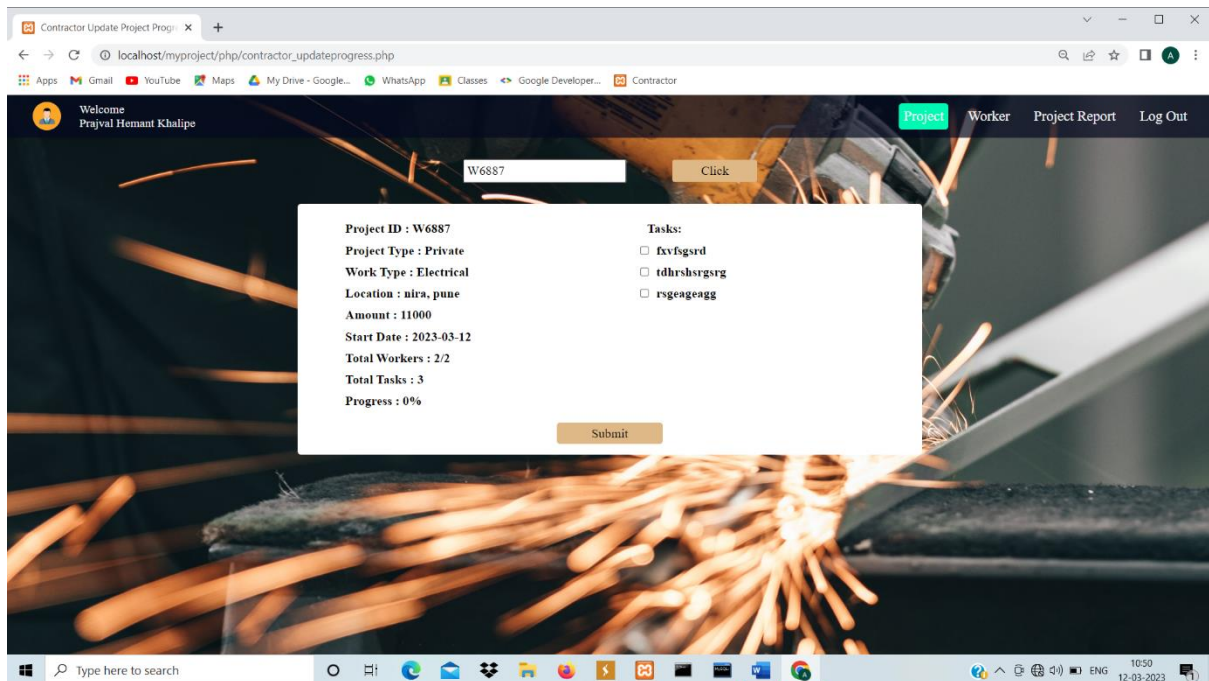
Allocated Workers : 0

Required Workers : 2

2 Electrician Submit

WO238600	Amit Sachin Khomane	Electrician	Allocate
WO438922	Vaibhav Vilas Shinde	Electrician	Allocate
WO683477	Shubham Raut	Electrician	Allocate
WO832305	Dnyanesh Sandip Agarkar	Electrician	Allocate

e) Update progress of project:



Contractor Update Project Progress

localhost/myproject/php/contractor_updateprogress.php

Welcome
Prajval Hemant Khaliye

Project Worker Project Report Log Out

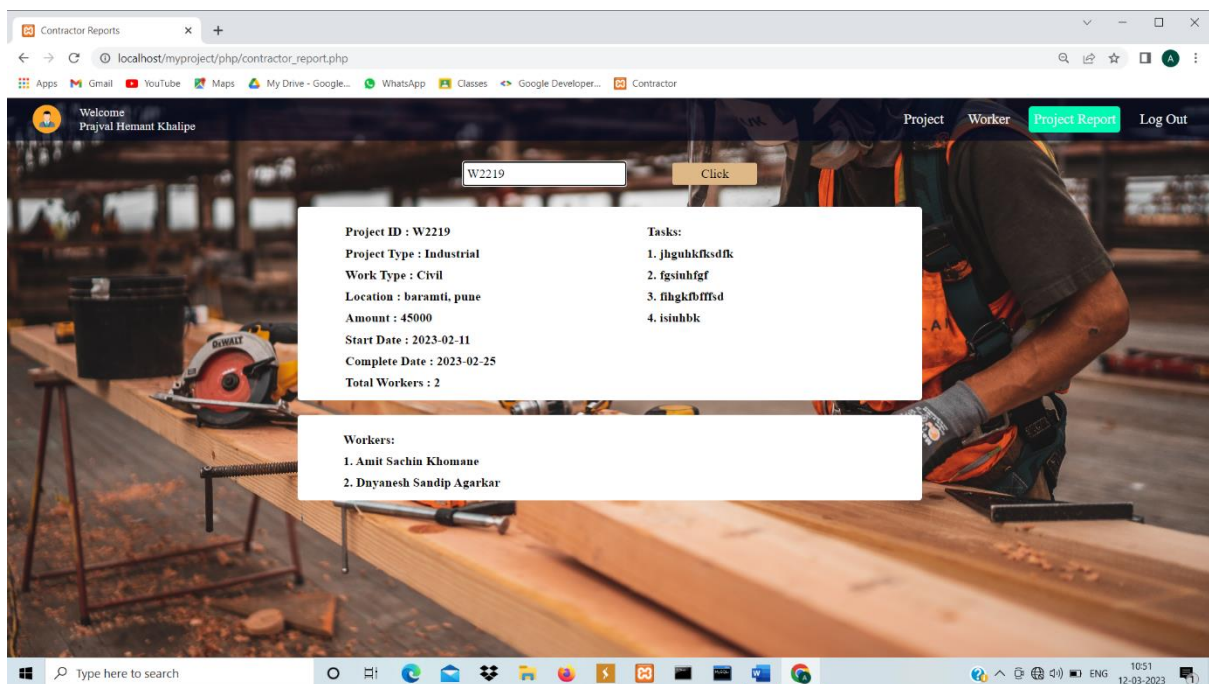
W6887 Click

Project ID : W6887
Project Type : Private
Work Type : Electrical
Location : nira, pune
Amount : 11000
Start Date : 2023-03-12
Total Workers : 2/2
Total Tasks : 3
Progress : 0%

Tasks:
☐ fxfvfgsrd
☐ tdhrshsrgsrg
☐ rsgeageagg

Submit

f) Project Report:



Contractor Reports

localhost/myproject/php/contractor_report.php

Welcome
Prajval Hemant Khaliye

Project Worker Project Report Log Out

W2219 Click

Project ID : W2219
Project Type : Industrial
Work Type : Civil
Location : barauti, pune
Amount : 45000
Start Date : 2023-02-11
Complete Date : 2023-02-25
Total Workers : 2

Workers:
1. Amit Sachin Khomane
2. Dnyanesh Sandip Agarkar

g) All Worker Information:

Contractor all workers

localhost/myproject/php/contractor_allworkers.php

Welcome Prajval Hemant Khalipe

Project Worker Project Report Log Out

Worker ID	Worker Name	Skill	Address	Status	Total Works
WO238600	Amit Sachin Khomane	Electrician	taradgaon, phaltan	not available	6
WO347392	Muhammad Danish	Fitter	A/P Vatakara	available	1
WO438922	Vaibhav Vilas Shinde	Electrician	bori, baramati	not available	4
WO528629	tanmay raut	Fitter	A/p Pusegaon	available	1
WO638303	Yash Solankar	Machinist	A/P Natepute	available	0
WO683477	Shubham Raut	Electrician	natepute, phaltan	available	3
WO832305					

Type here to search

1051 12-03-2023

Future Enhancement:

- Storing health related information of the workers like blood group, age details, height, weight, etc.
- More functionality can be added depending upon the contractor, worker and customer requirements and specifications.
- Helps the contractor to track the attendance data of the worker.
- Hiring a worker on a short-term contract.
- Improve the effectiveness.

Conclusion:

- Overall, we have created system in focus of Contractor and worker management system, this system will helpful to many contractors and workers as well as customers.
- Created database that will be used to store projects and allocations.
- The aim of the system is to save time, cost and efforts of contractor, worker and customer.

Bibliography:

- Google for problem solving and searching the problem concepts.
- www.google.com
- www.youtube.com
- www.w3schools.com
- www.stackoverflow.com
- Teacher's reference