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:

Khomane Amit Sachin (Roll No.: 12216)

UNDER THE GUIDANCE OF

Mrs. V.M.Khaire

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 worker and work order allotment are done manually and on paper.
- It becomes very difficult to get all the details about any worker in a short time.
- A lot of time, money and energy is wasted in searching as well as maintaining documents.
- 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 worker allotment system.
- All details of worker 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

• Tools: Java Swing, 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.

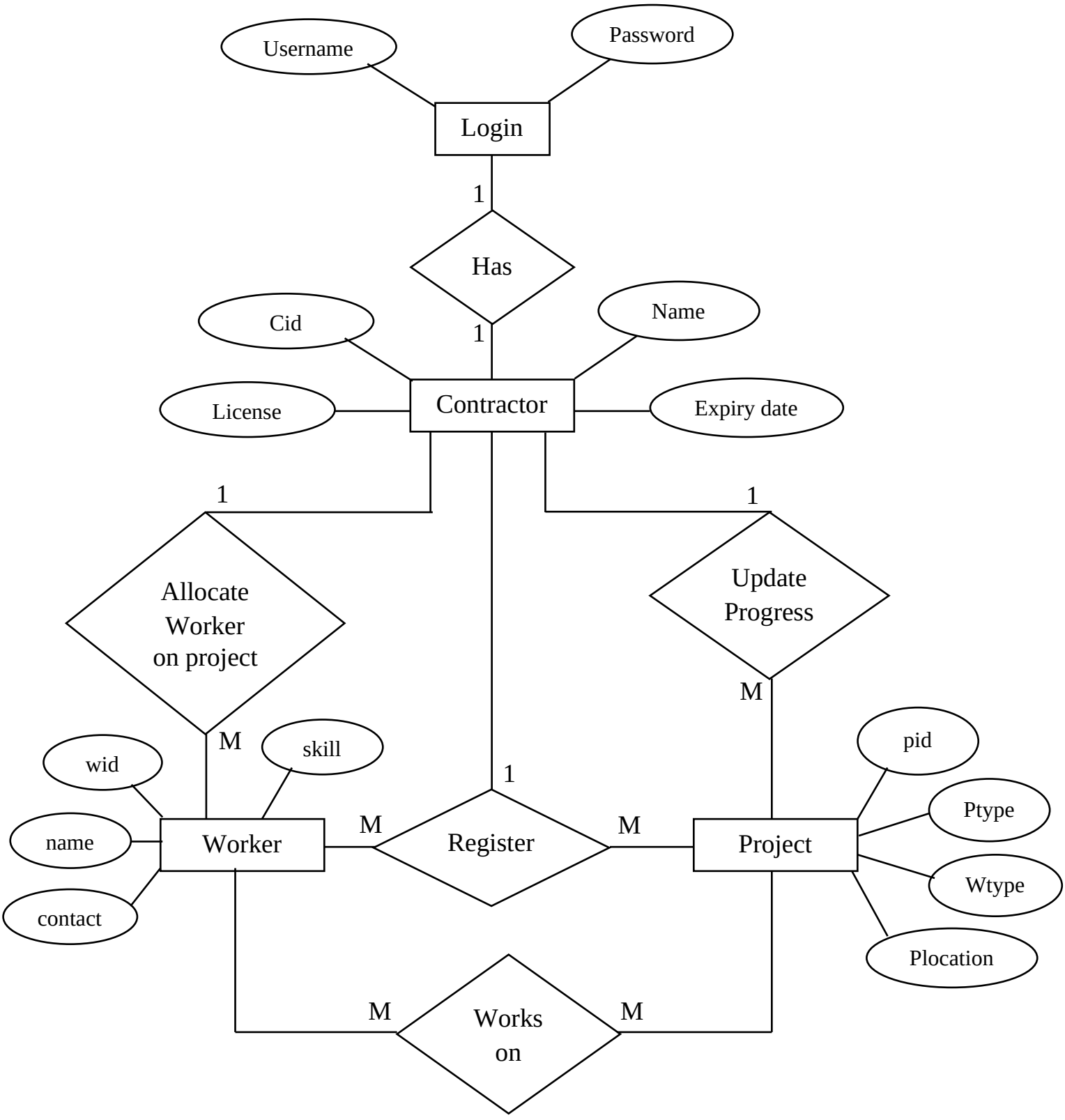
➢Technical Feasibility:

It is technically feasible, since the whole system is designed into the technologies like Java Swing and MySQL server which are the technologies to develop desktop applications 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:


Username
Password
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1
Cid
Name
License
Contractor
Expiry date
1
1
Allocate
Worker
on project
Update
Progress
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1
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Worker
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Register
M
Project
Ptype
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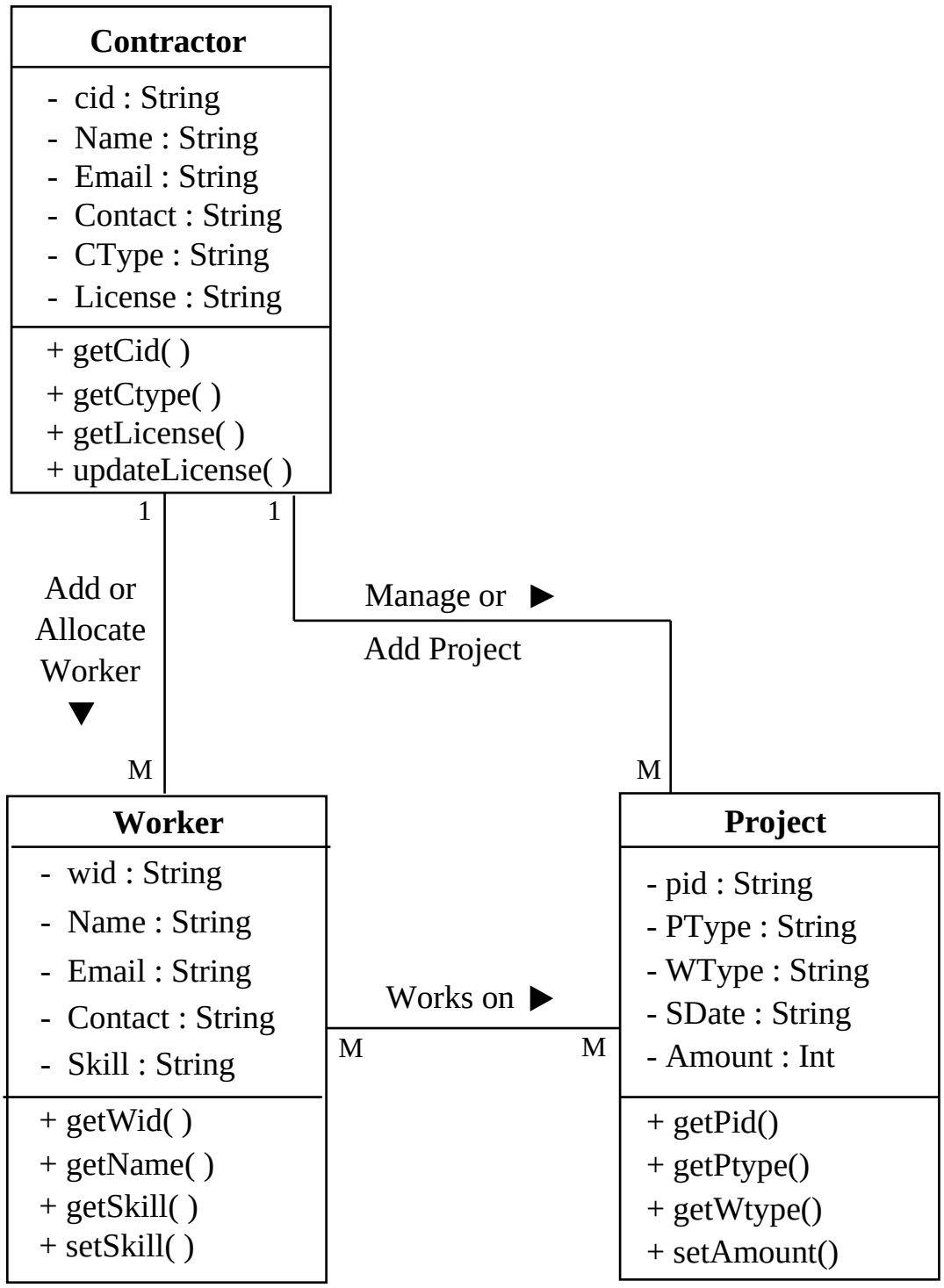
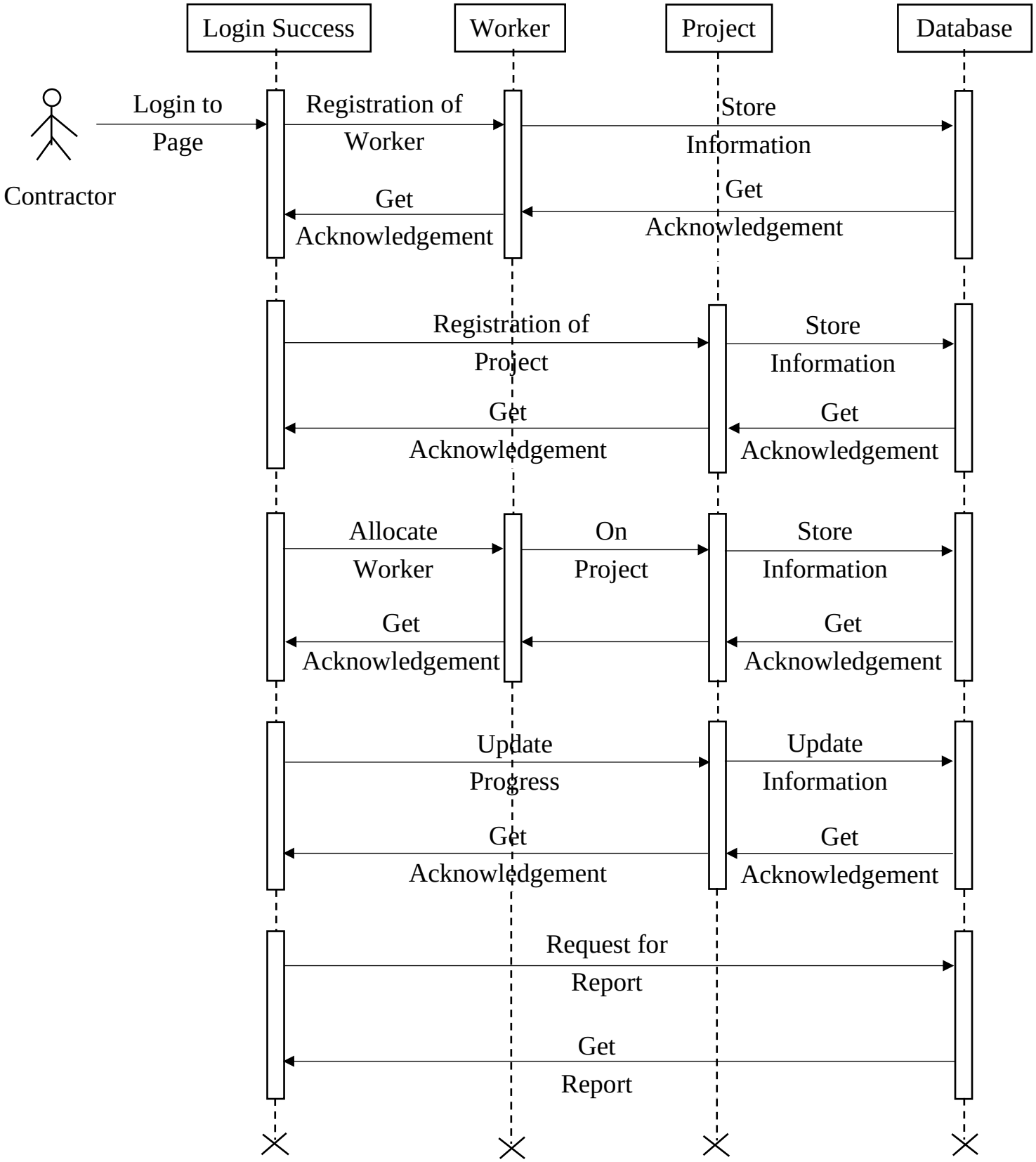
Works
on
M

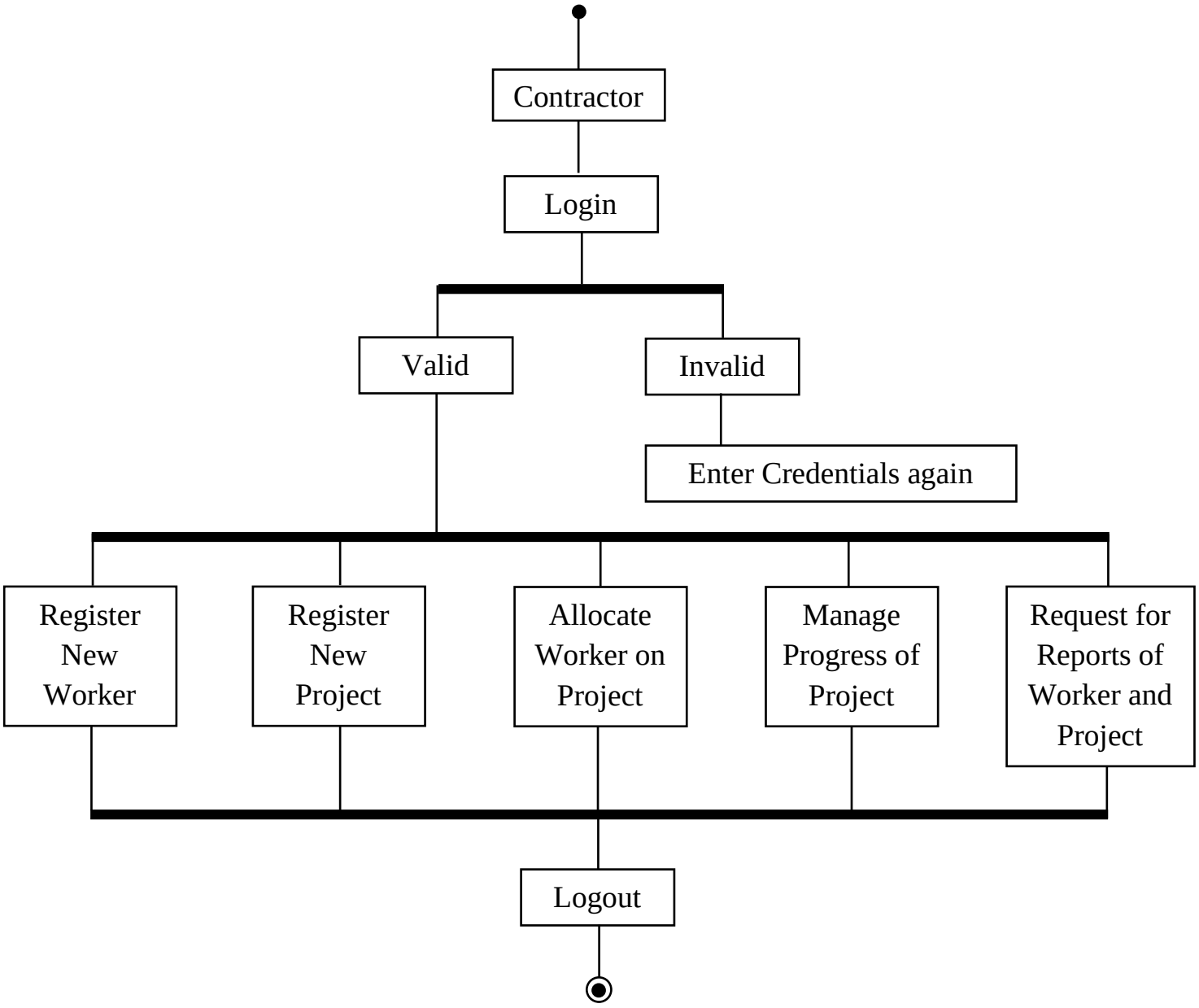
Class diagram:



Sequence Diagram:

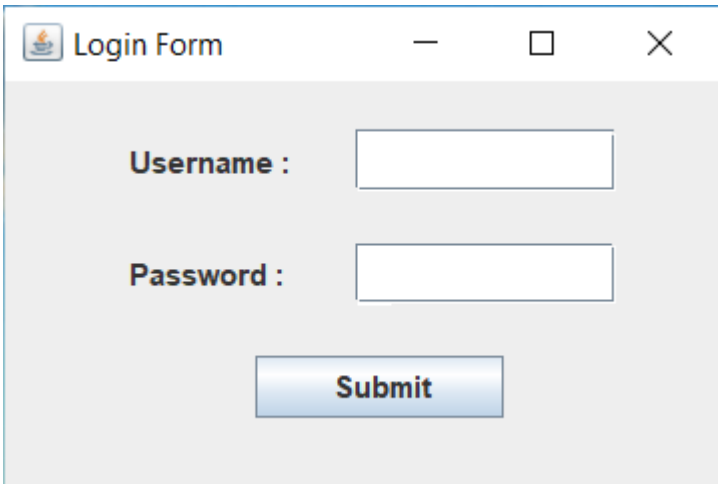


Activity Diagram:

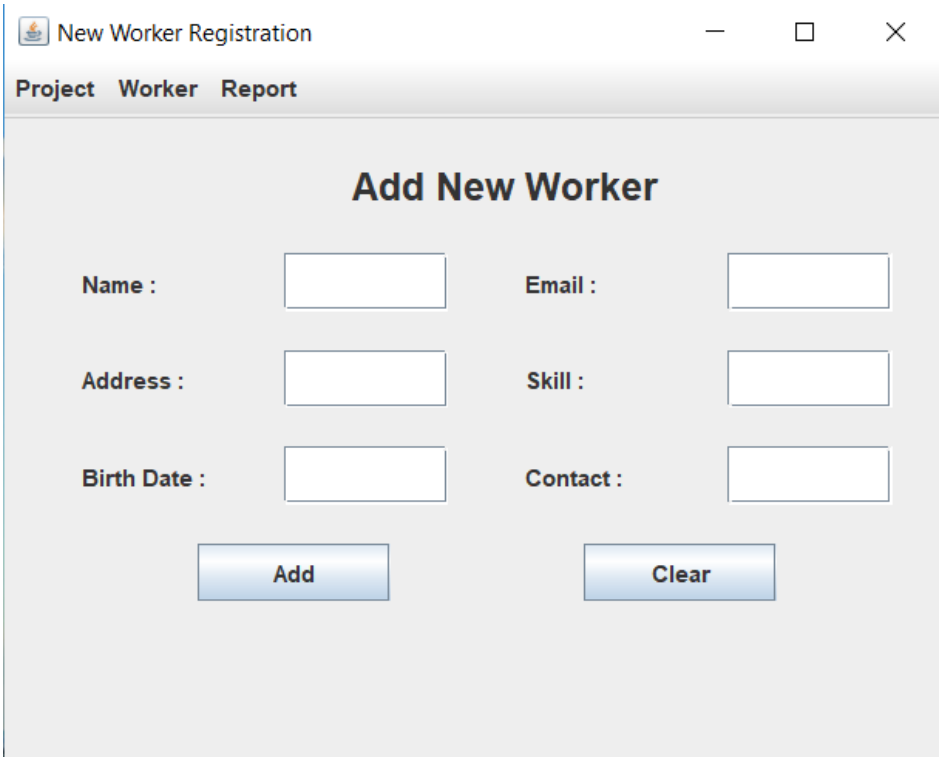


Input Output Screens:

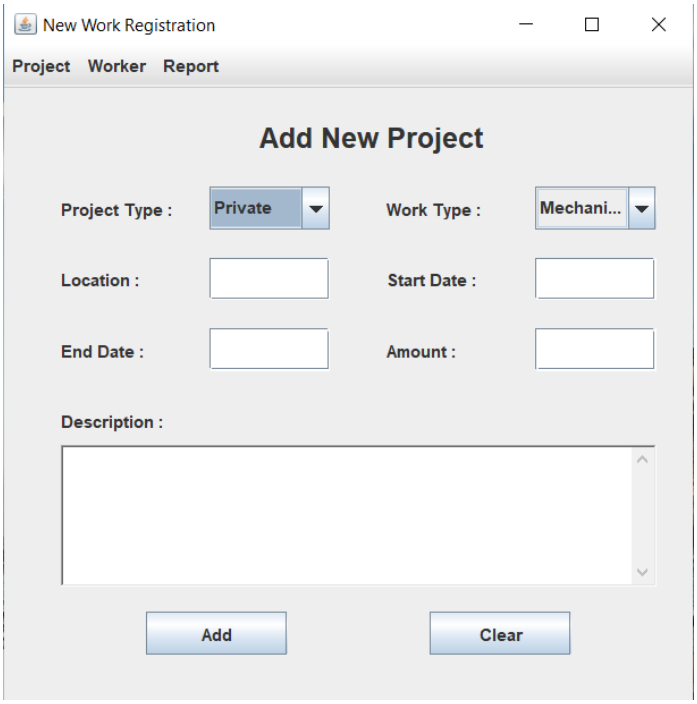
a) Login:



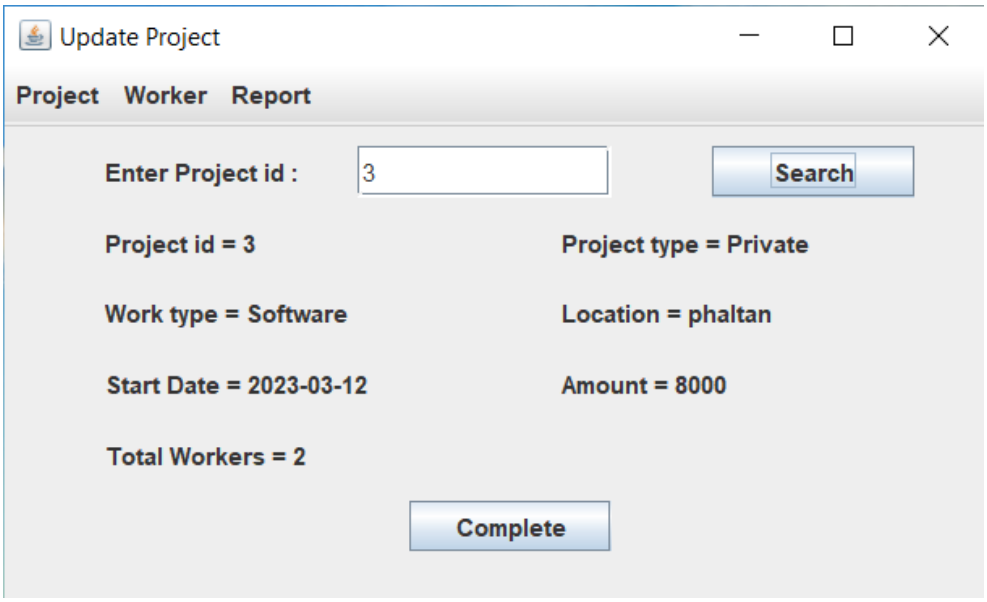
b) Registration of Worker:



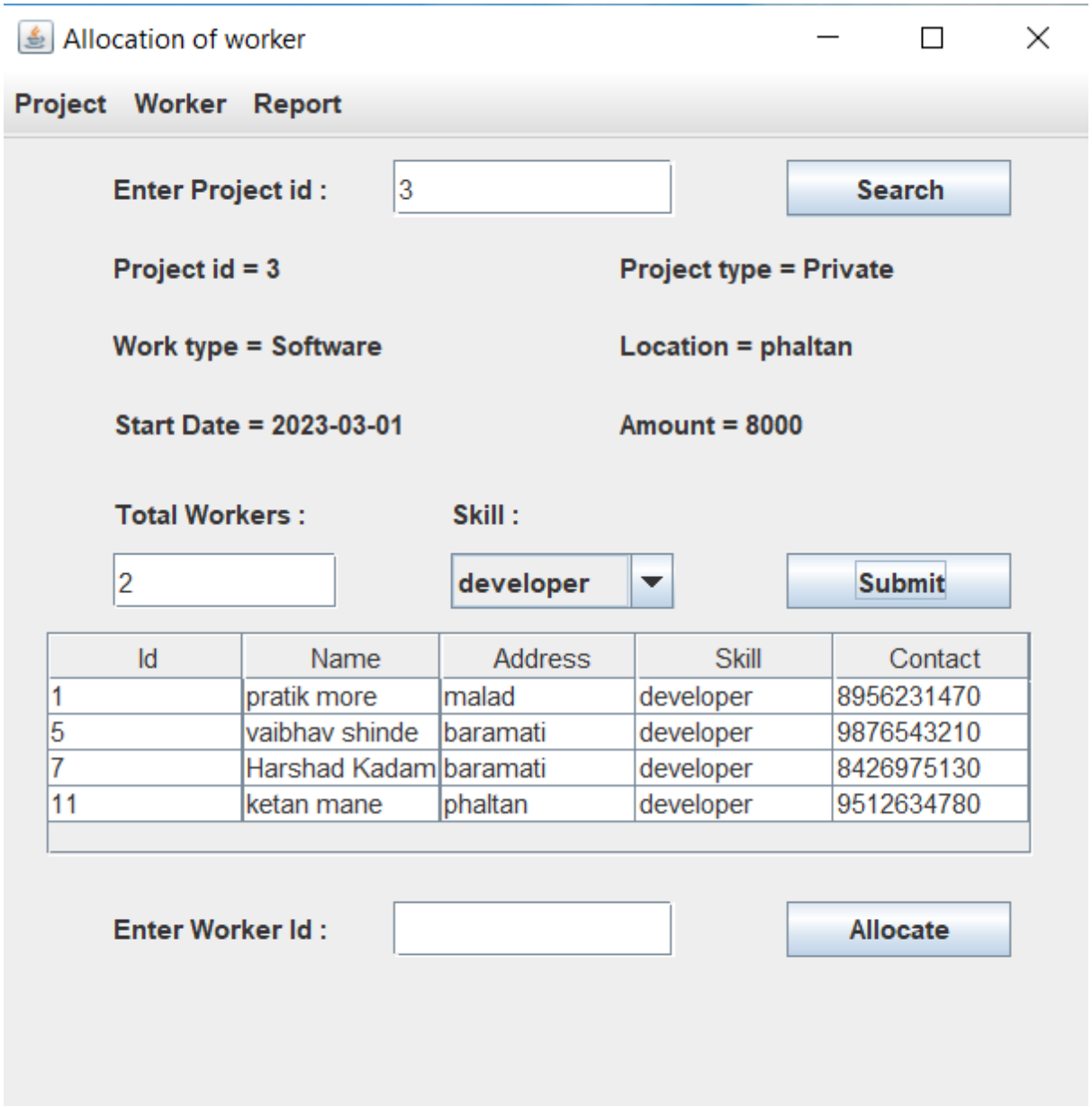
c) Registration of Project:



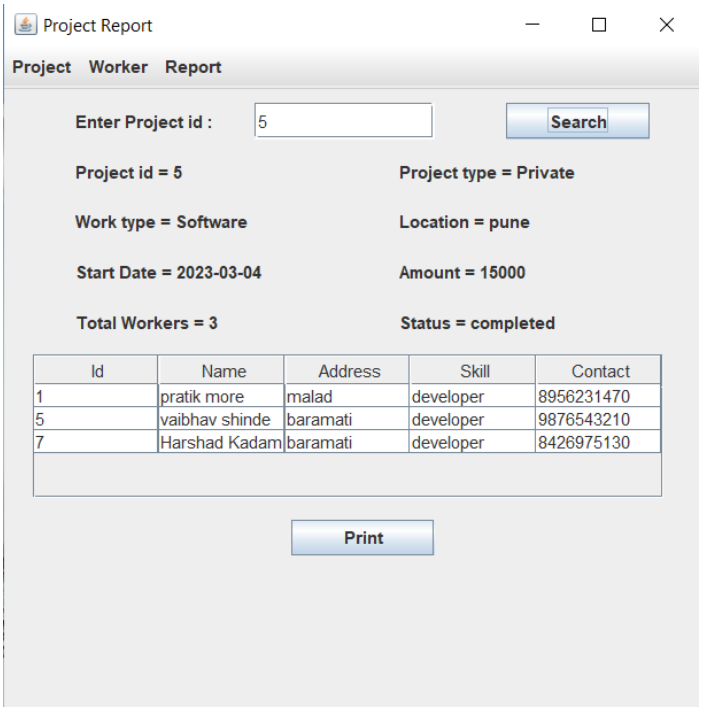
d) Update Project:



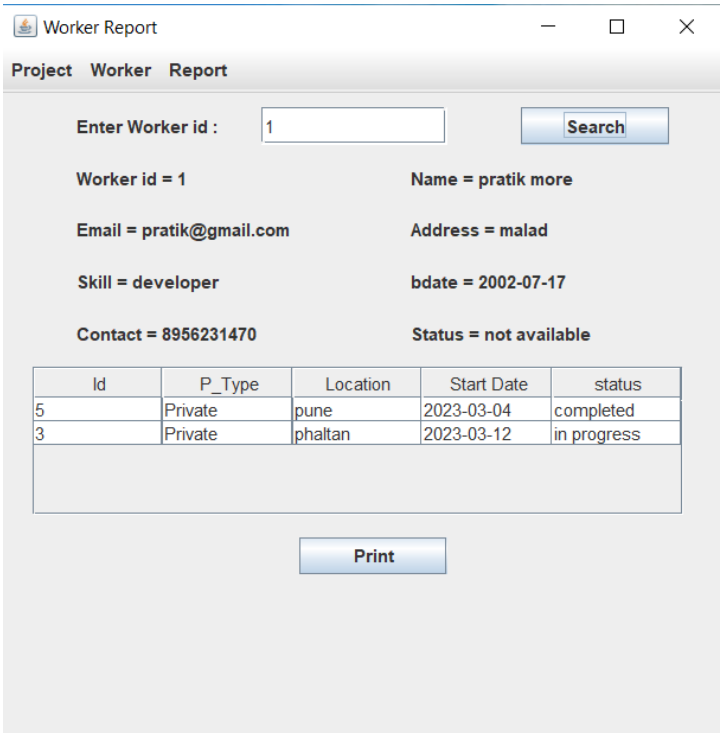
e) Allocate worker on project:



f) Project Report:



g) Worker Report:



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 and worker 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.
- 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 and worker.

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