EX.NO:1

DATE: 7/3

PASSPORT AUTOMATION SYSTEM

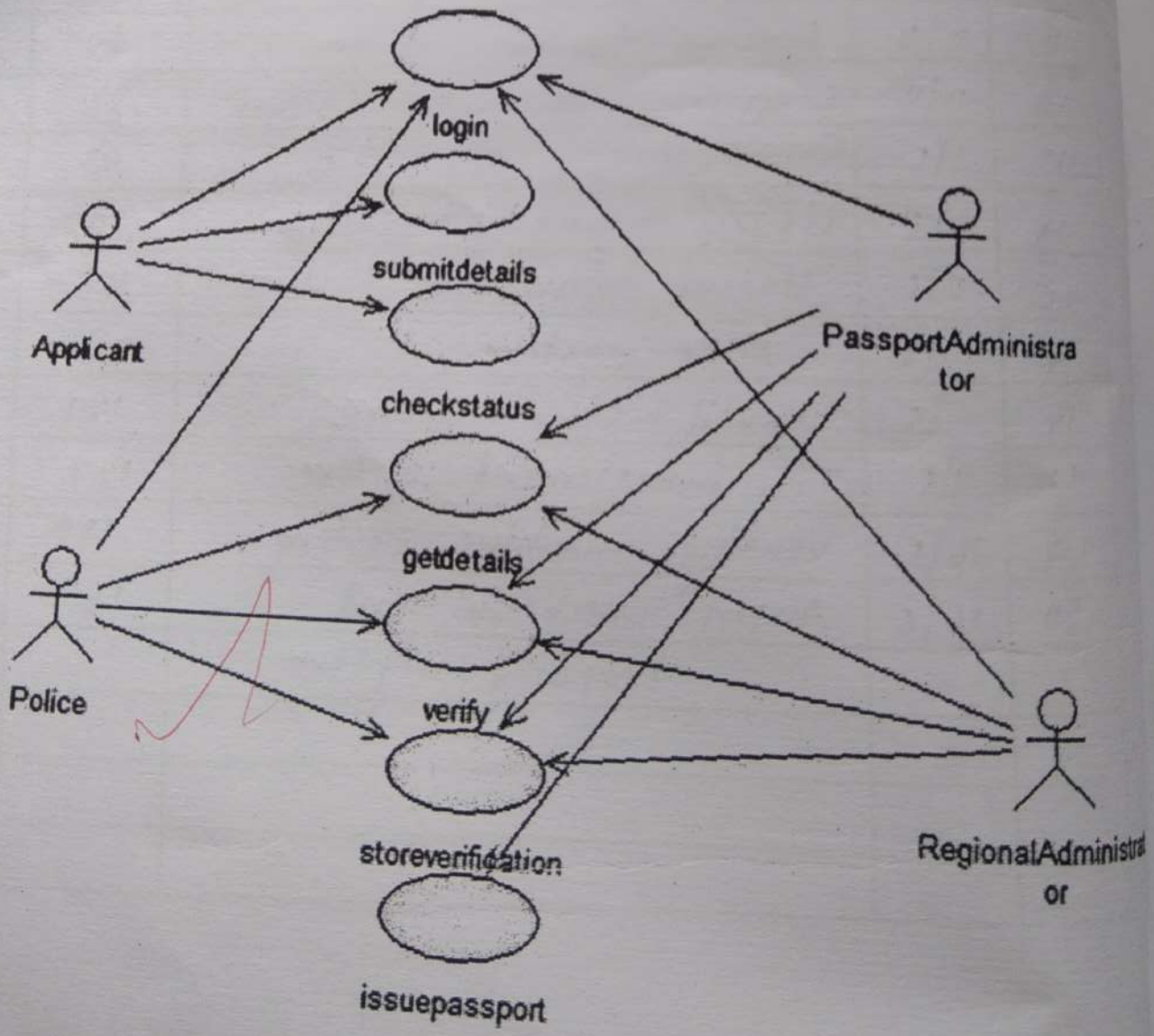
AIM

To develop the Passport Automation System using Argo UML tools.

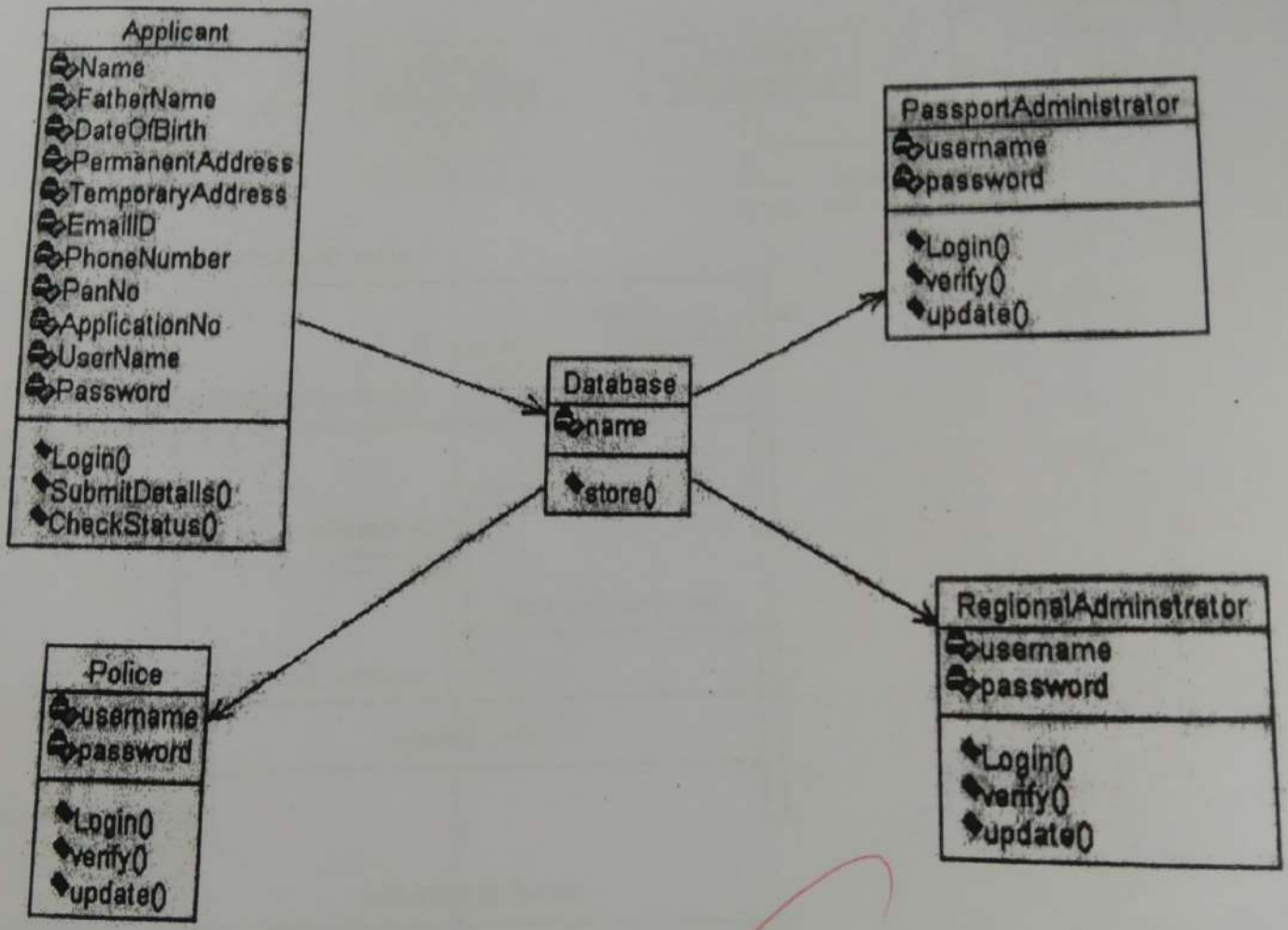
PROBLEM STATEMENT

Passport Automation System (PAS) is used in the effective dispatch of passport all of the applicants. Initially the applicant login the passport automation system a submits his details. These details are stored in the database and verification process do by the passport administrator, regional administrator and police the passport is issued the applicant.

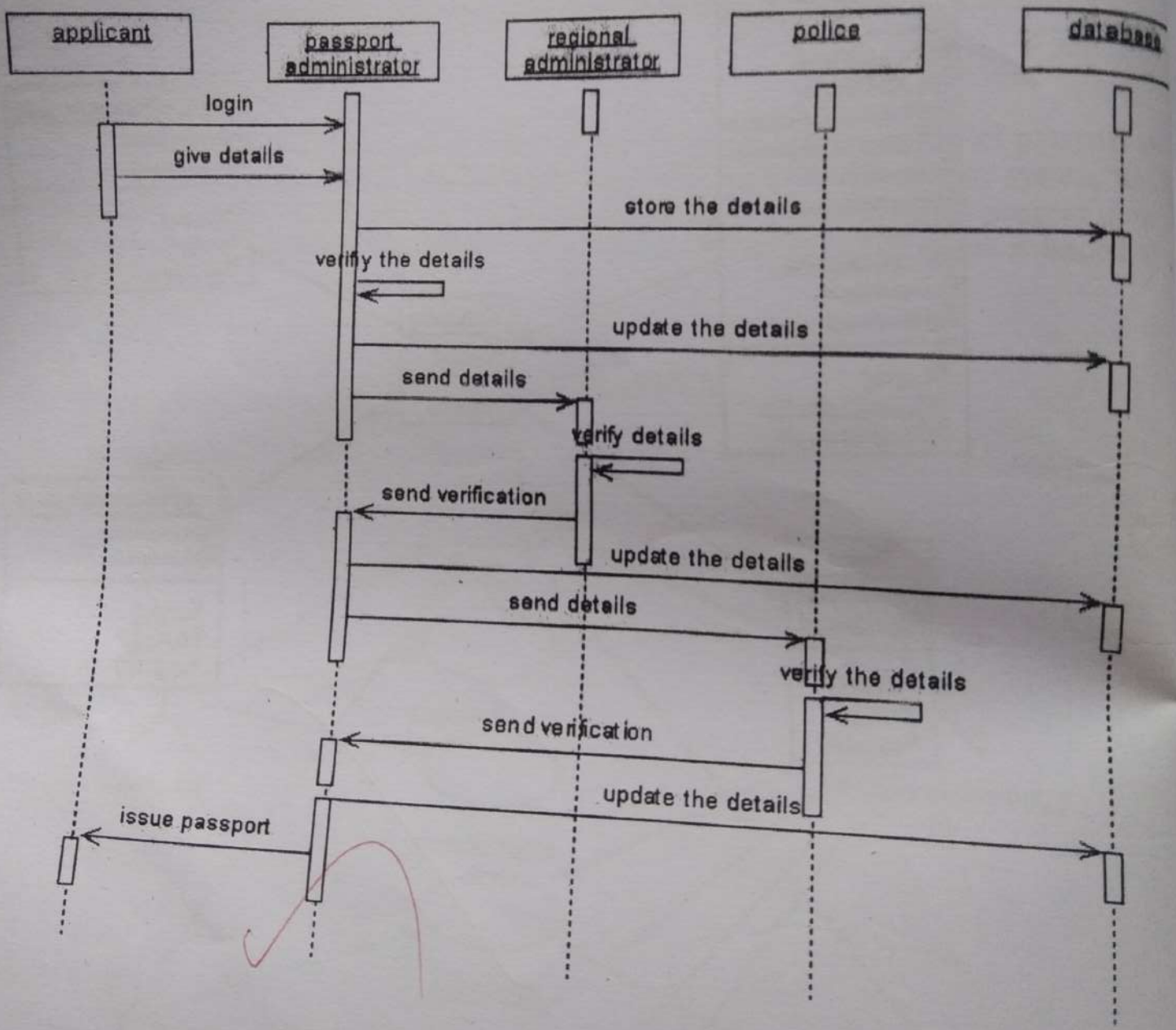
USE CASE DIAGRAM



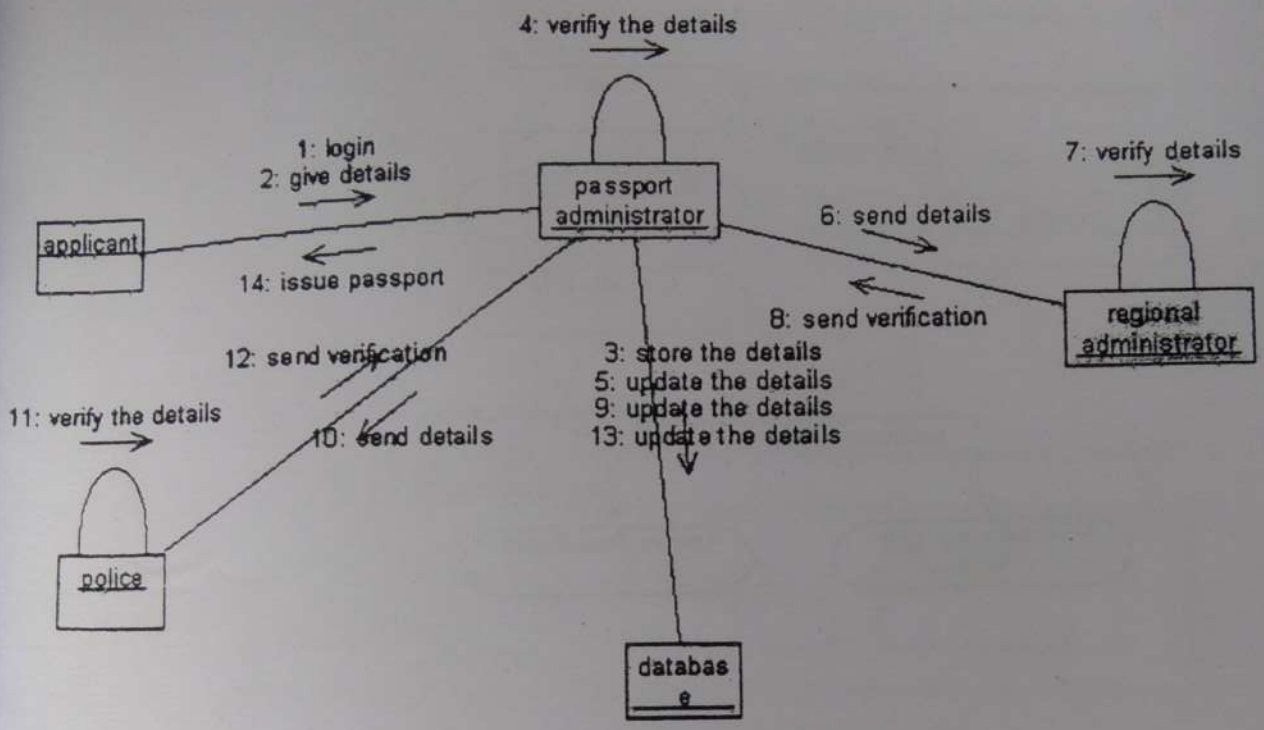
CLASSDIAGRAM



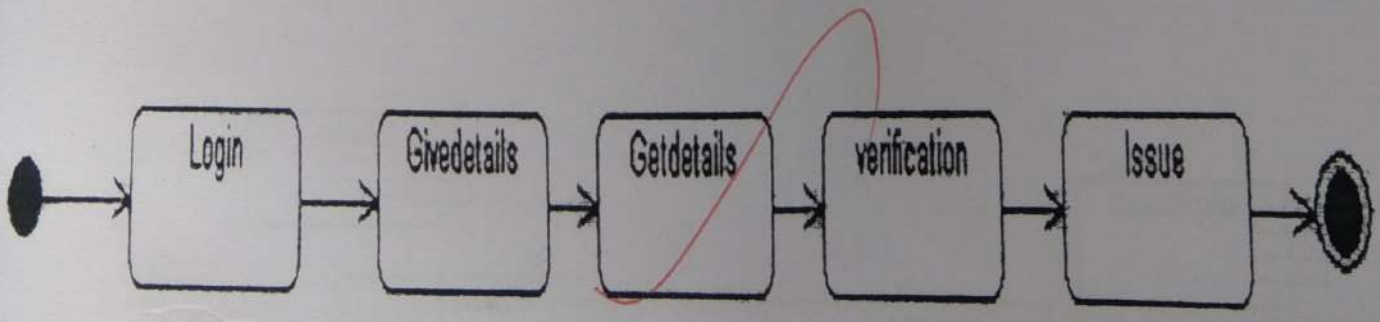
SEQUENCE DIAGRAM



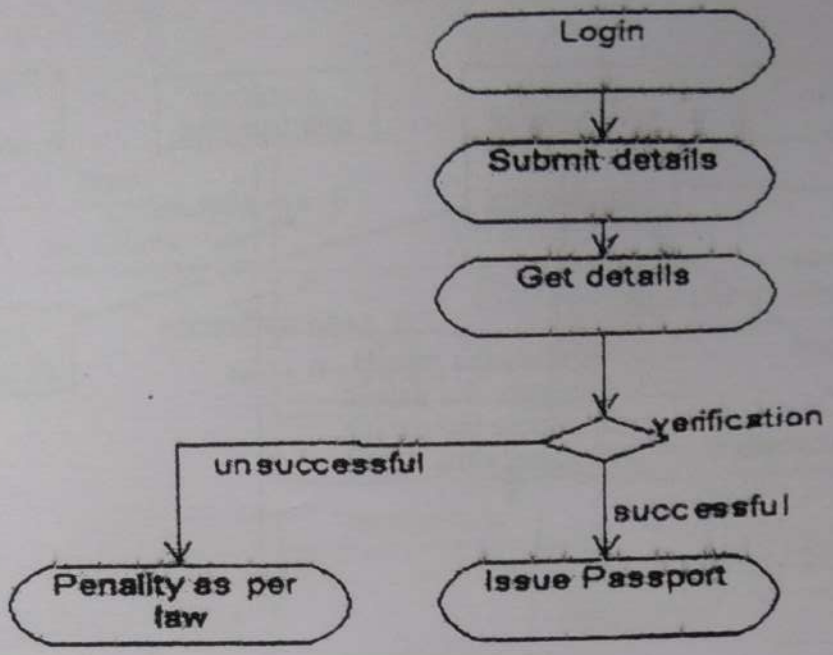
COLLABORATION DIAGRAM



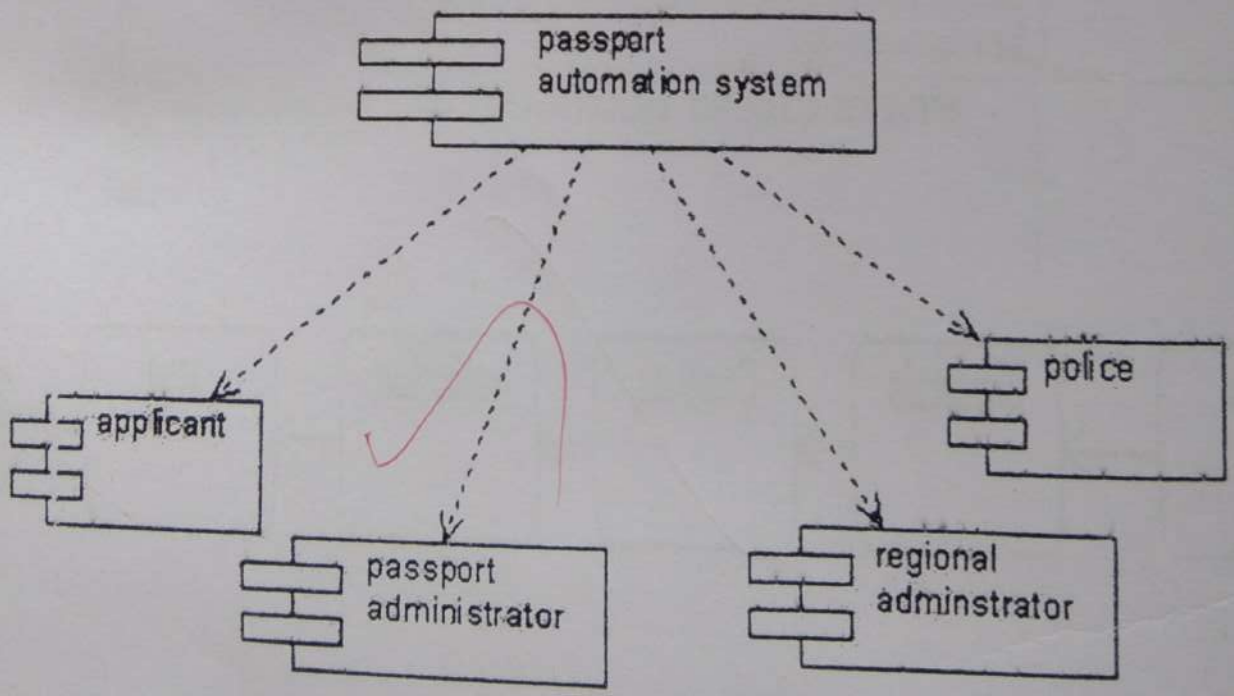
STATE CHART DIAGRAM



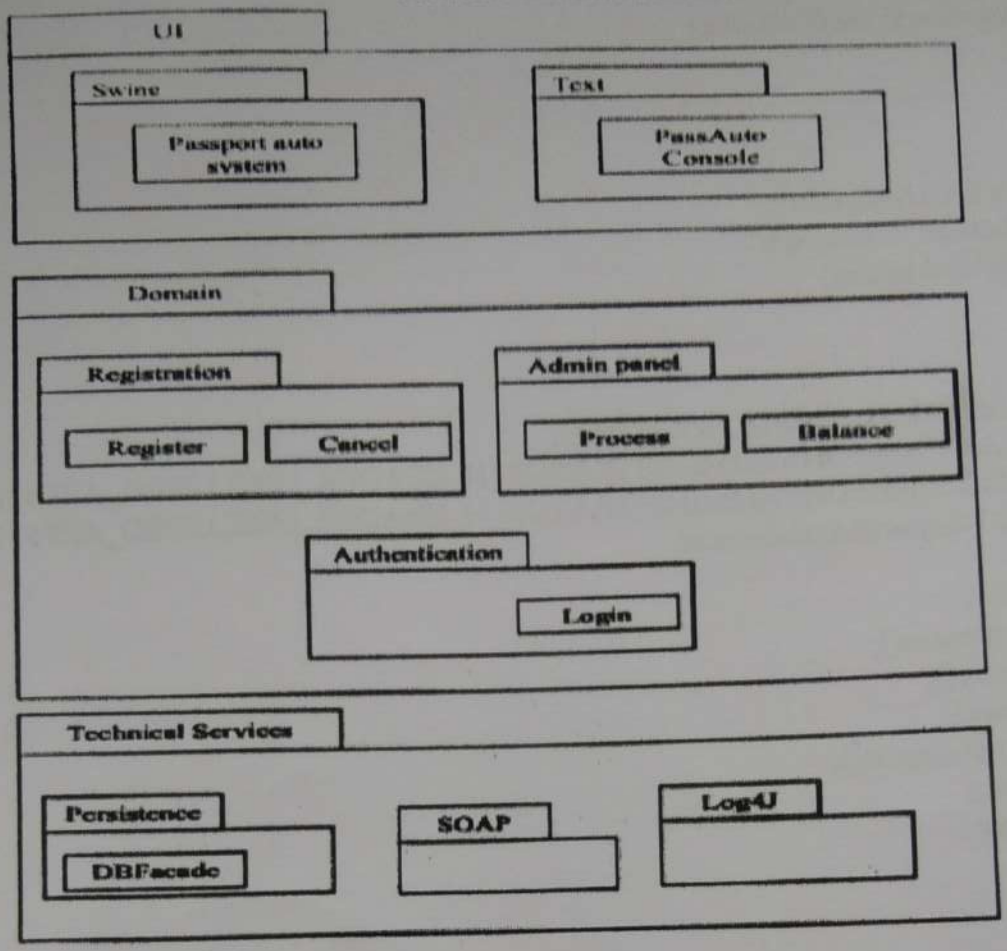
ACTIVITY DIAGRAM



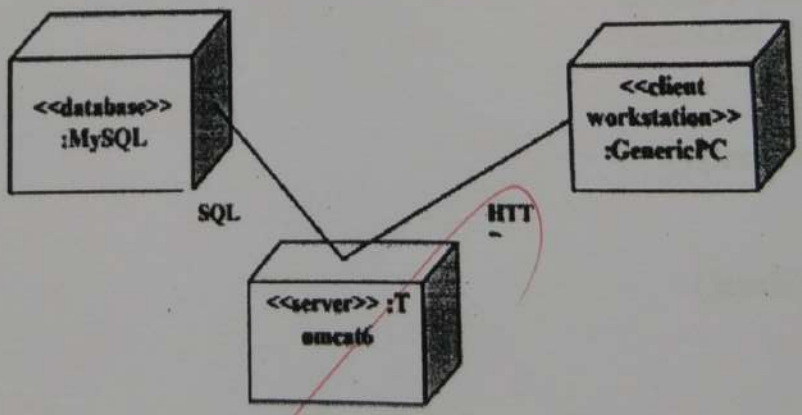
COMPONENT DIAGRAM



PACKAGE DIAGRAM



DEPLOYMENT DIAGRAM



OUTPUT:

APPLICANT.CPP:

```
#include "Applicant.h"
Applicant::login()
{
}
Applicant::submitdetails()
{
```

```
}
Applicant::checkdetails()
{
}
```

DATABASE.CPP:

```
#include "database.h"
database::store()
{
}
```

PASSPORTADMNISTRATOR.H:

```
#ifndef PASSPORTADMINISTRATOR_H_HEADER_INCLUDED_AEF591BD
#define PASSPORTADMINISTRATOR_H_HEADER_INCLUDED_AEF591BD
class PassportAdministrator
{
 public:
   Getdetails();
   Verify();
   Store();
   IssuePassport();
 private:
  Name;
};
#endif
```

POLICE.CPP:

```
#include "Police.h
Police::GetDetail()
{
}
Police::Verify()
{
}
Police::Store()
{
}
```

REGIONAL.CPP:

```
#include "RegionalAction.h"
RegionalAction::GetDetail()
{
}
RegionalAction::Verify()
{
}
RegionalAction::Store()
{
```

EX. NO: 8
DATE: 28/3

CREDIT CARD PROCESSING SYSTEM

AIM

To develop credit card processing system using the Argo UML.

PROBLEM ANALYSIS

The Credit Card Processing System which is used to purchasing an item from any shop mall, and it is used to maintain the limitation of credit card balance and current transaction process could be update via credit card machine. This project mainly used for large amount of item can be easy to buy from anywhere and required transaction process should be maintained them.

PROBLEM STATEMENT

The customer should select the item to be purchase from the shop by using credit card payment then the vendor should give a bill for the selected item .The customer should give his card to swap and request for the kind of amount transaction. After processing the transaction, the CREDIT CARD MACHINE should give the balance print statement or receipt.

- Customer should select the item from the shop.
- Vendor makes the bill for the selected item.
- Customer gives the credit card to the vendor to swap the card.
- They required amount transaction is done by the card reader.
- Vendor will issue the balance statement to the customer.
- Customers put the signature in the receipt and return to the vendor

SOFTWARE REQUIREMENT SPECIFICATION

INTRODUCTION

A credit card is a small plastic card issued to users as a system of payment. It allows its holder to buy goods and services. When a purchase is made, the merchant swipes the card. Credit card accounts entered during booking are validated to assure that the account is active and in good standing

PURPOSE

When customers complete their shopping cart, their credit card is preauthorized and the order is entered into Sales Order. Credit Card Processing dials out and obtains a credit card payment. Within five minutes the customer receives an e-mail receipt.

SCOPE

- Automatically connects to your financial network for credit card authorizations and settlements
- Compliant with Visa and MasterCard Electronic Commerce Indicator (ECI) regulations

FUNCTIONALITY

Many members of the process lives to checking for the occurrence and transaction we all have to carry over sometimes user interface to make the transaction to be efficient.

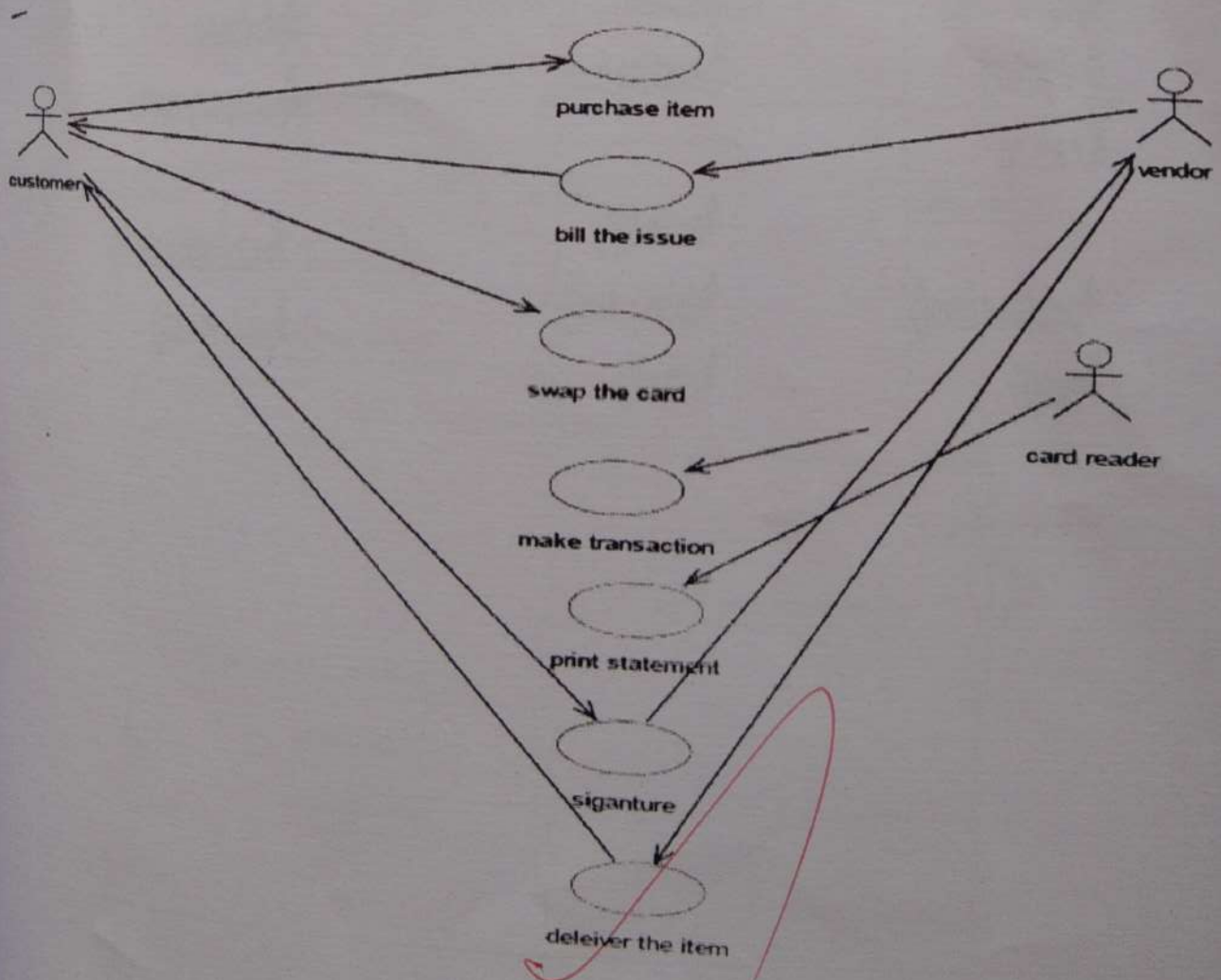
USER CHARACTERISTICS

- Customer – He buys the product using his credit card.
- Vendor – Accepts credit card and gives bill to the customer.

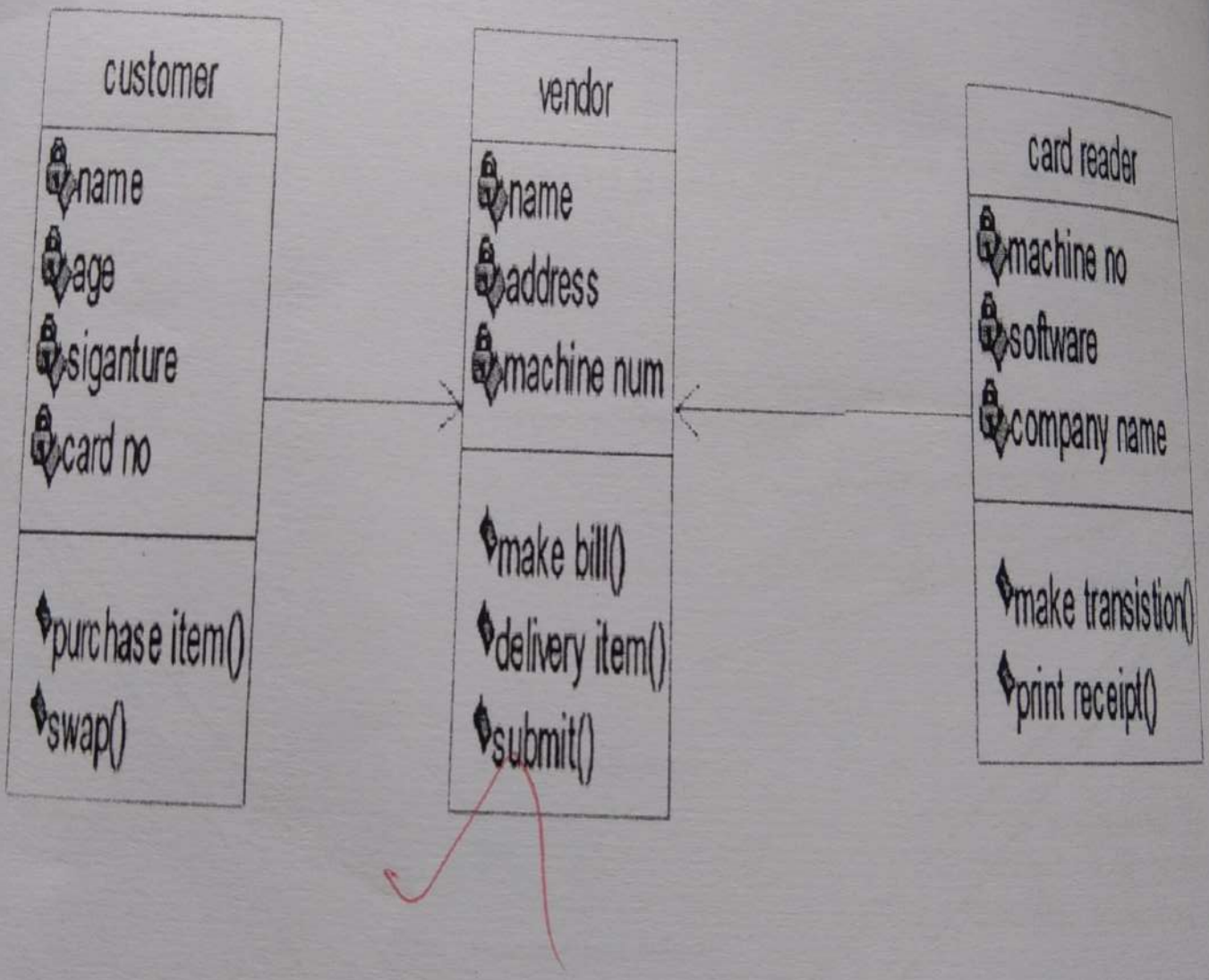
ASSUMPTION AND DEPENDENCIES

The Vendor and Customer must have basic knowledge of computers and English Language. The vendor may be required to deliver the item purchased by the customer.

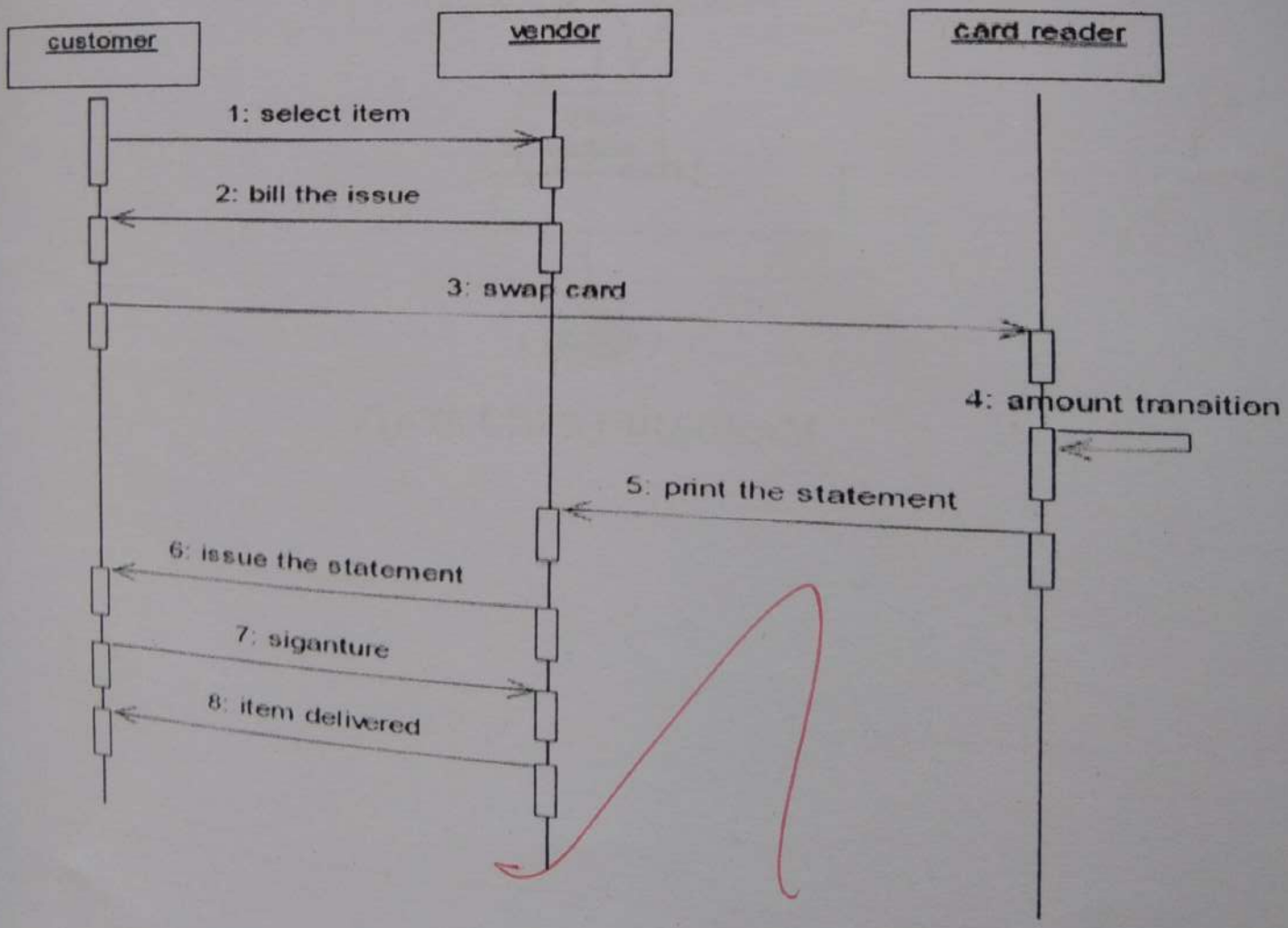
USE CASE DIAGRAM



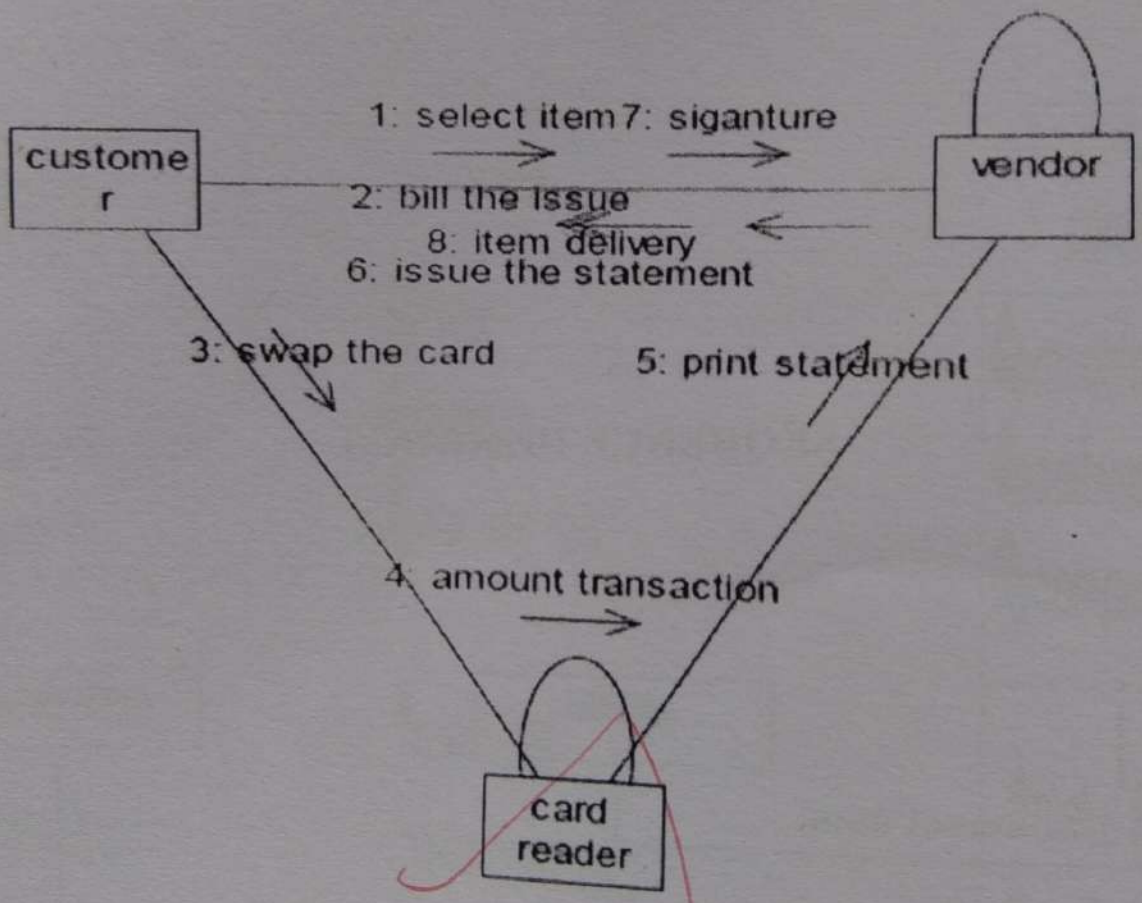
CLASS DIAGRAM

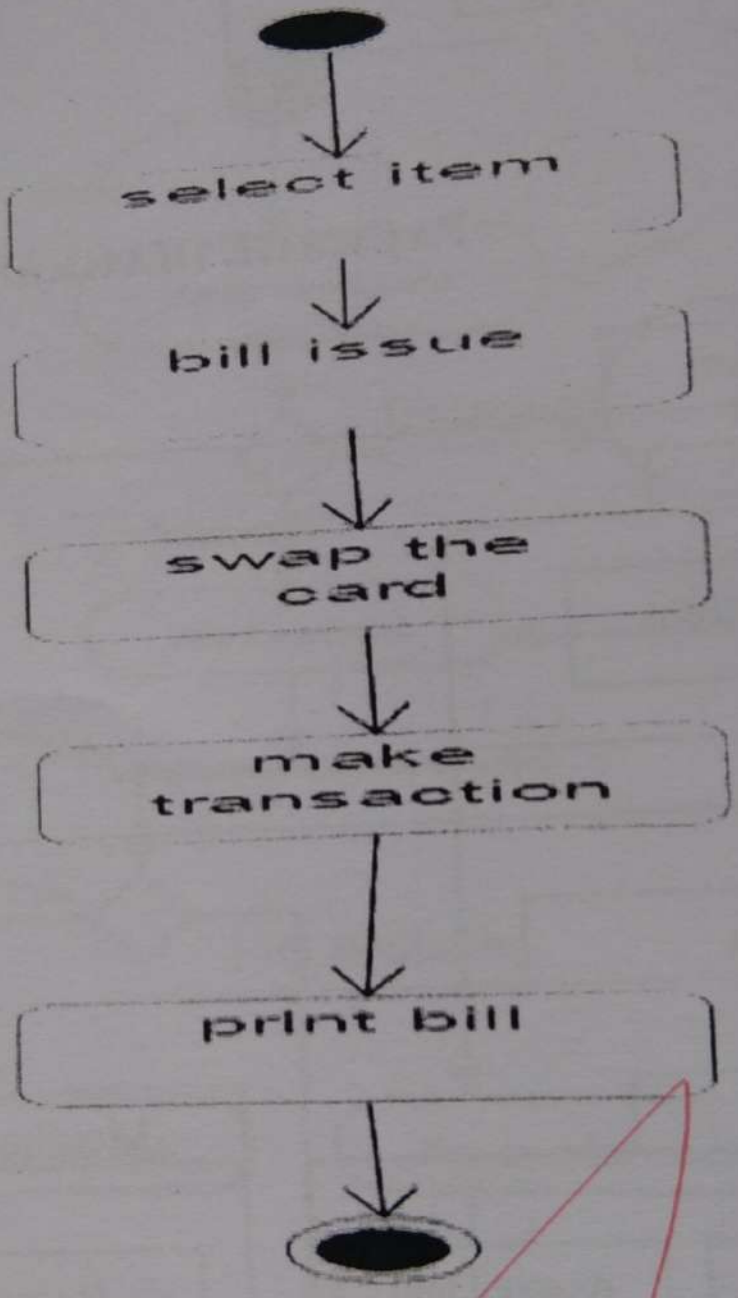


SEQUENCE DIAGRAM



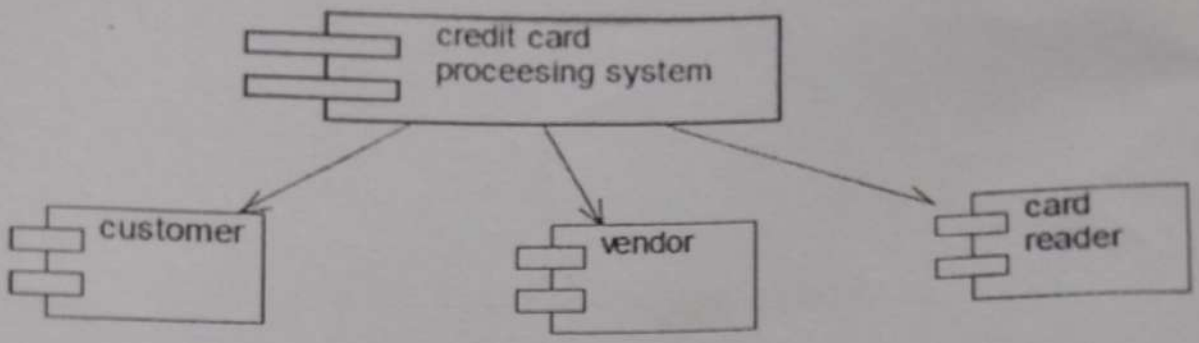
COLLABRATION DIAGRAM



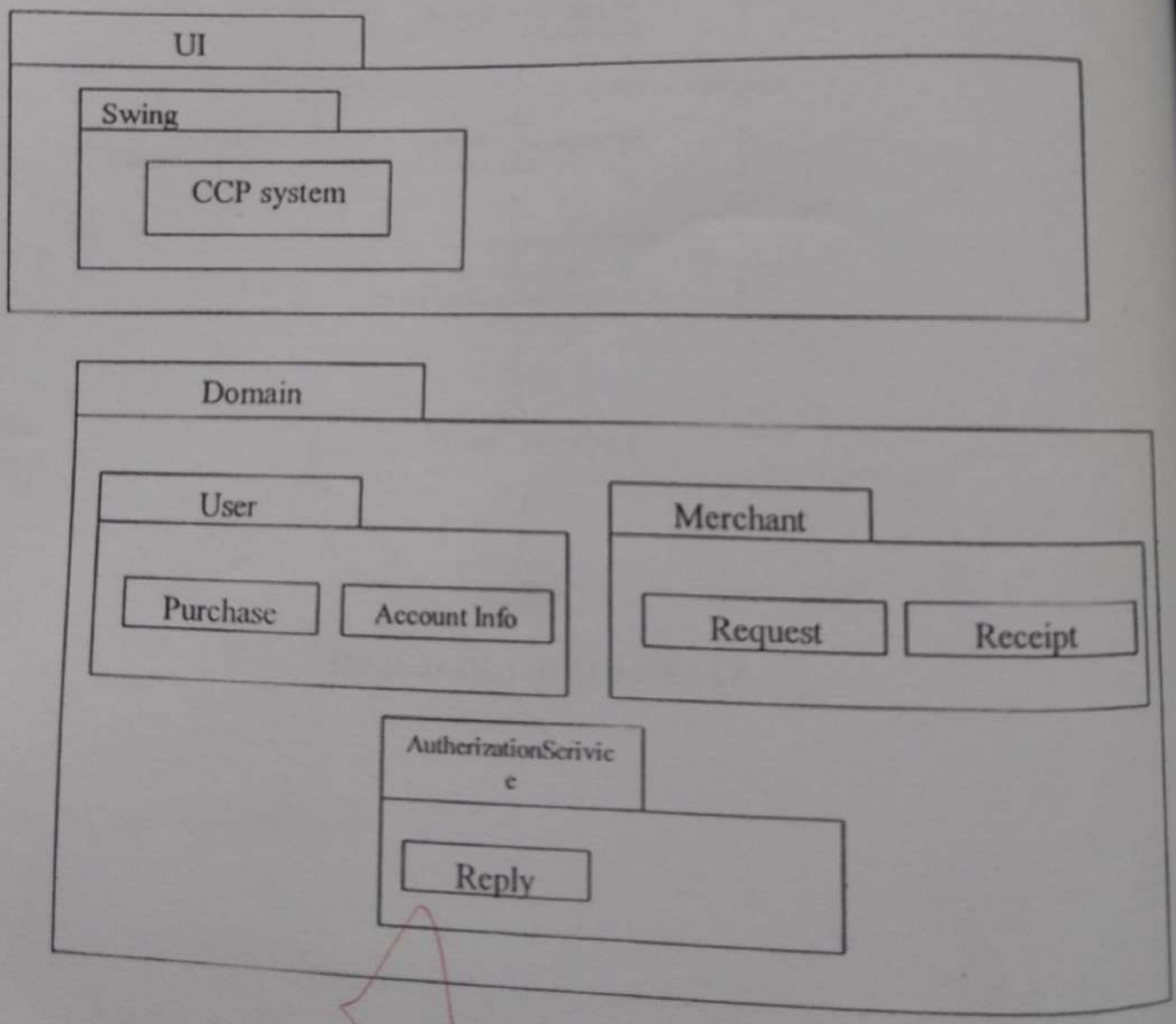


STATE CHART DIAGRAM

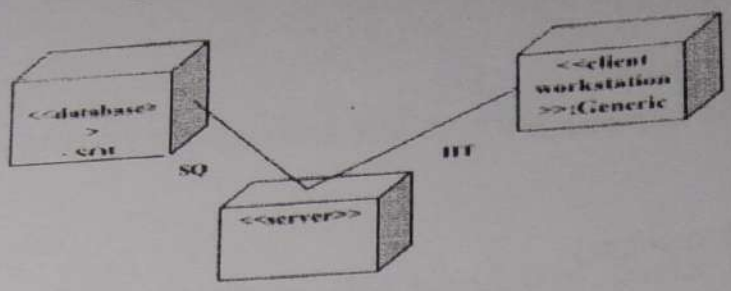
COMPONENT DIAGRAM



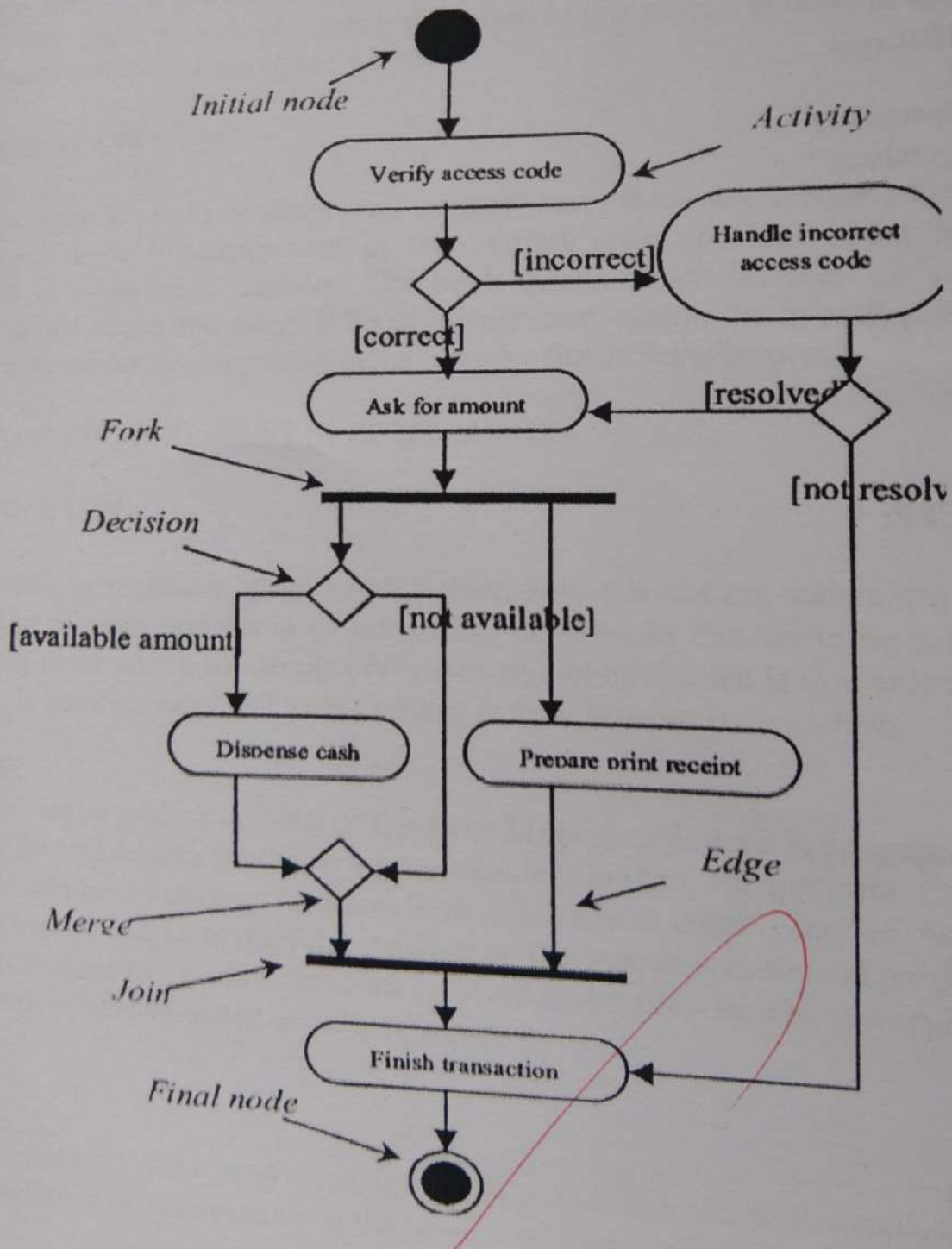
PACKAGE DIAGRAM



DEPLOYMENT DIAGRAM



ACTIVITY DIAGRAM



OUTPUT:

CARD READER.CPP:

```
#include "card reader.h"
card reader::make transistion()
{
}
card reader::print receipt()
{
}
```

CUSTOMER.cpp:

```
#include "customer.h"
customer::purchase
item()
{
}
customer::swap()
{
}
```

VENDOR.CPP:

```
#include
"vendor.h"
vendor::make
bill()
{
}
vendor::delivery item()
{

}
vendor::submit()
{
}
```

RESULT

Thus the project to develop credit card processing system using Argo UML was donesuccessfully.

EX. NO: 13
DATE: 9/5

BUSINESS PROCESS OUTSOURCING MANAGEMENT SYSTEMS

AIM

To develop a project Business Process Outsourcing(BPO) management system using Argo UML.

PROBLEM ANALYSIS

Generally outsourcing can be defined as an organization entering into a contract with another organization to operate and managed one or more of its business processes. There are many problems faced by the BPO one among them is meeting their targets and leaving the concern very often and switch to another company. In this project we deal with the inbound system of the BPO. In inbound system the agent calls the customer from his database to sell his product.

PROBLEM STATEMENT

In this BPO inbound system, the process undergoing is that the agent tries to sell his product so that the agent gets the details of the customer from the database and pitches about his product and makes the sales successful. The communication is done through the telephone. Telephone is the major component used for this customer satisfaction service. The steps are as follows:

- The agent login to the website and enters the username and password .It checks for authorization.
- If the username and password is correct, it allows the agent to get the details of the customer from the database.
- Now the agent makes the call to the customer and pitches about the product.
- If the customer is satisfied, agent sells the product else disconnects the call.
- Agent proceeds with another call.

SOFTWARE REQUIREMENT SPECIFICATION

INTRODUCTION

BPO is typically categorized into back office outsourcing-which includes internal business functions such as human resources or finance and accounting, and front office outsourcing-which includes customer related services such as contact center services. BPO that is contracted outside a company's country is called offshore outsourcing. BPO that is contracted to a company's neighboring country is called near shore outsourcing. Given the proximity of BPO to the information technology industry, it is categorized as an information technology enabled service or ITES. Knowledge process outsourcing (KPO) and legal process outsourcing (LPO) are some of the sub-segments of business process outsourcing industry. In the following SRS the front office outsourcing is explained in detail.

PURPOSE

- Seamless process that is fully integrated ensuring better quality of service to customers.

- Cost reductions by automation of upload processes from clients; automatic routing of documents to operators using OCR.
- Documents as well as the status of process is accessible quickly and from anywhere to BPO management as well as customers.
- Enriched experience for users as they can search for documents and process them online.

SCOPE

The main scope is to develop a good BPO management system. BPO is a way in which it helps to increase company's flexibility. As part of BPO, documents need to be managed between the outsourcing company and the offshore company. Multiple clients need to be managed by the BPO company.

USER CHARACTERISTICS

- BPO Organization - They are the people who desire to obtain the outsourcing job from various clients and submit the information to the database.
- Client - He has the certain privileges to outsource their jobs and to approve the issue of document. He may contain a group of persons under him to verify the documents and give suggestion whether or not to approve the dispatch of job.

CONSTRAINTS

- The Client requires a computer to submit their information.

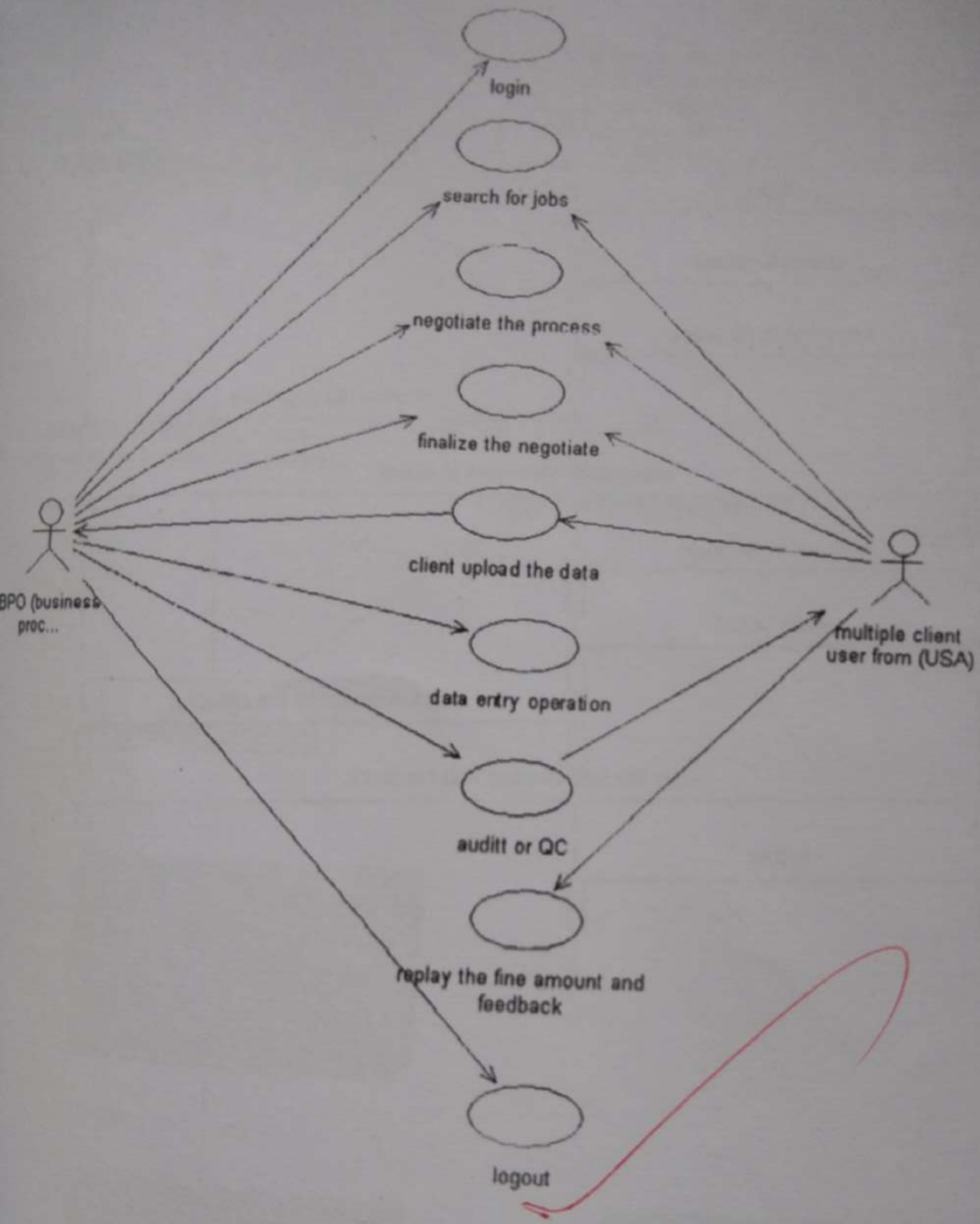
ASSUMPTIONS AND DEPENDENCIES

- The BPO Organization and Client must have basic knowledge of computers and English Language.

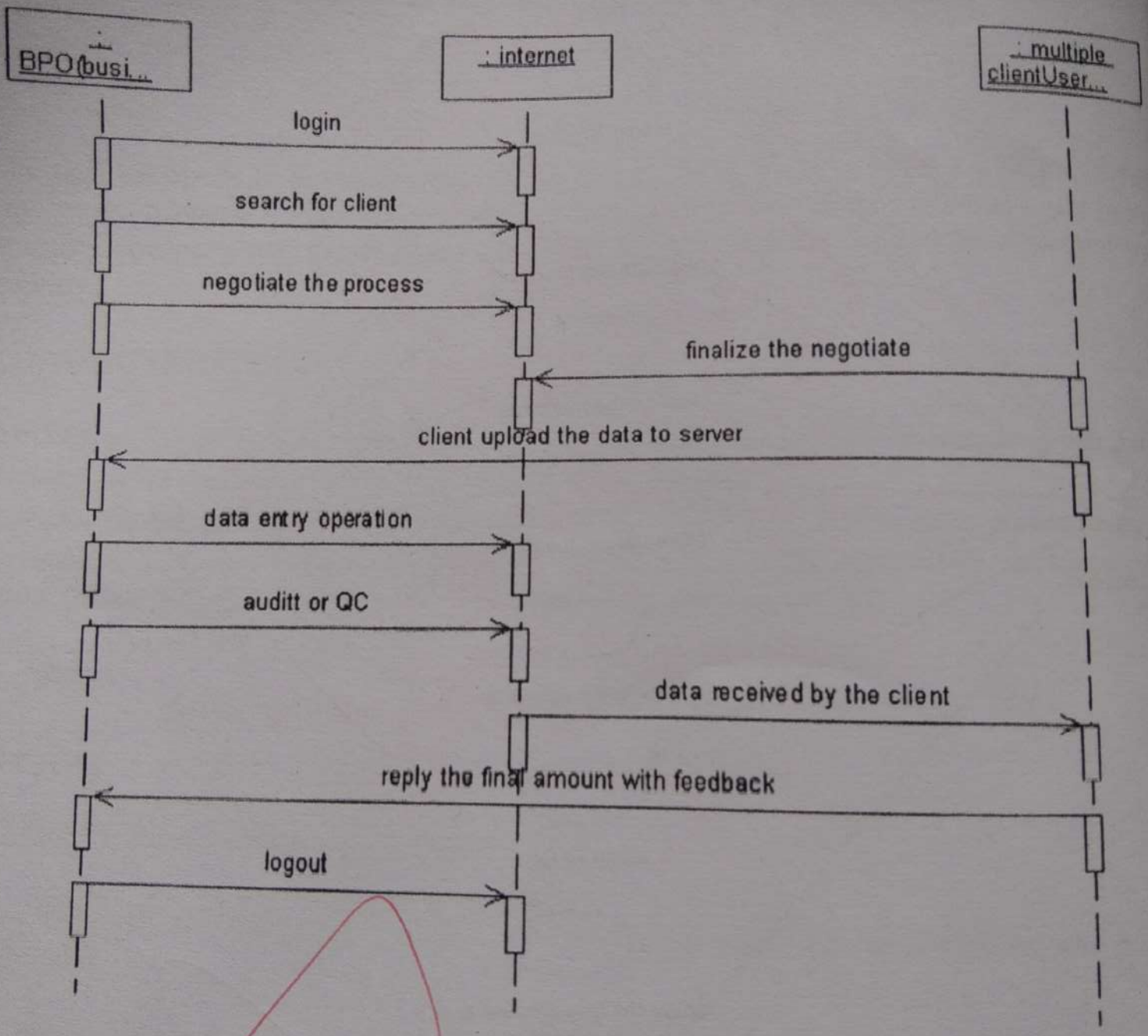
UML DIAGRAMS

1. Usecase Diagram
2. Class Diagram
3. Sequence Diagram
4. Collaboration Diagram
5. State Chart Diagram
6. Component Diagram

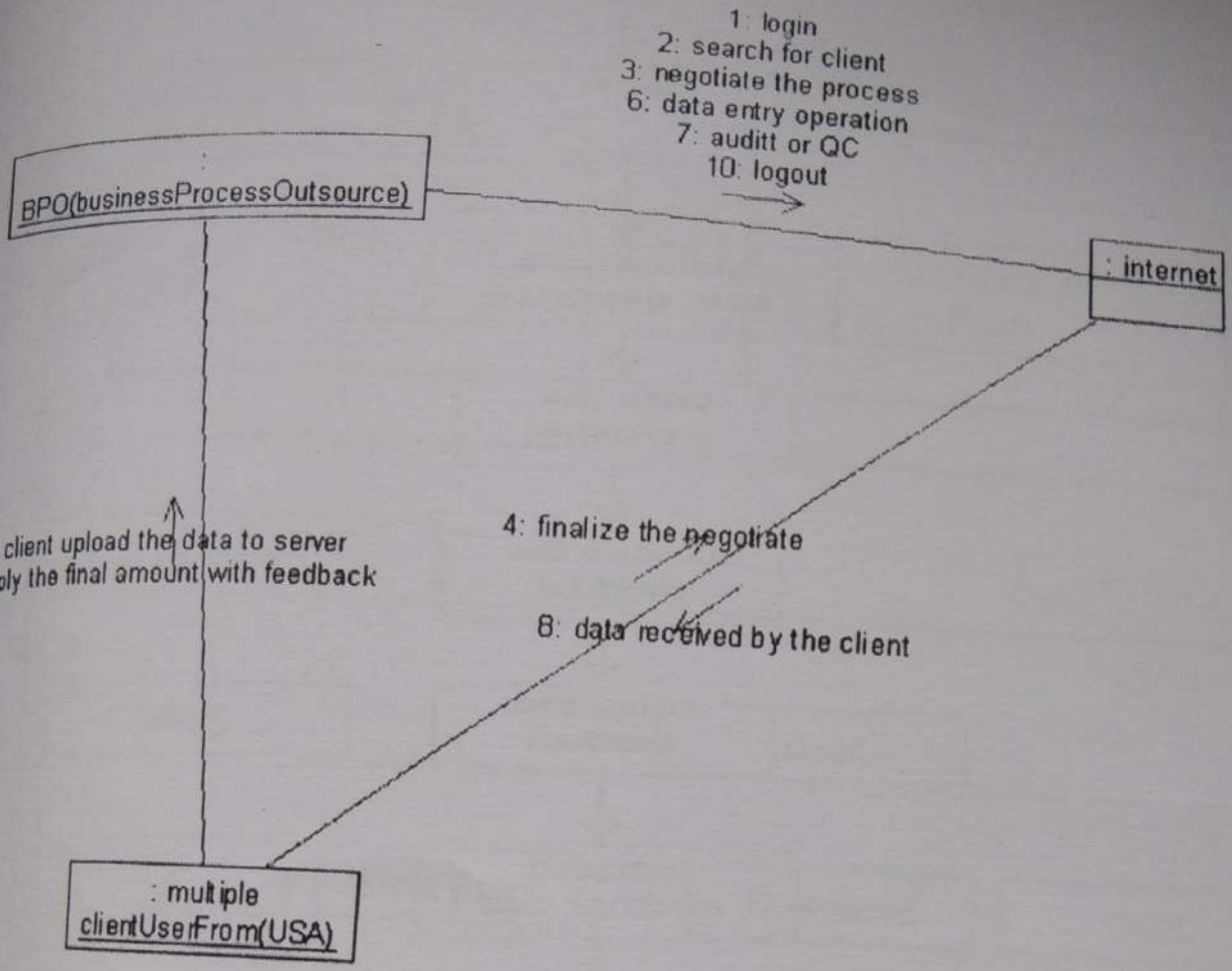
USE CASE DIAGRAM

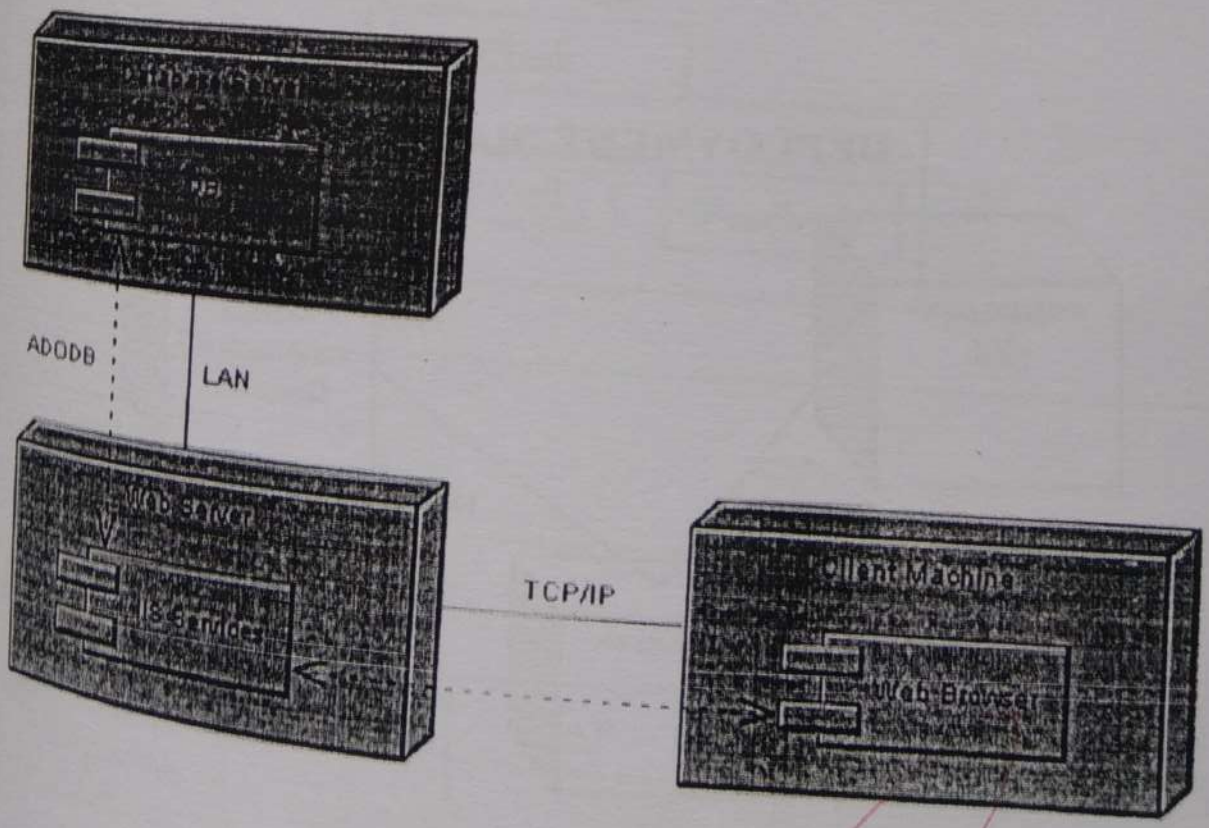


SEQUENCE DIAGRAM

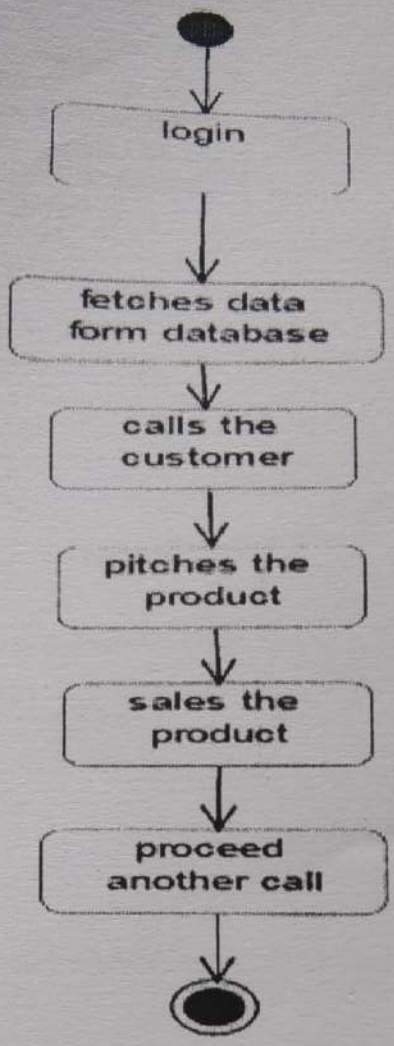


COLLABRATION DIAGRAM

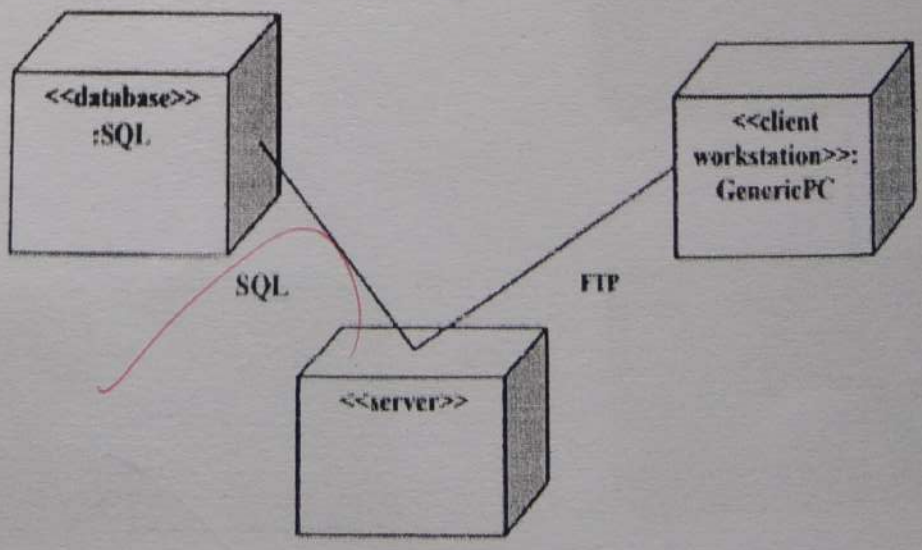




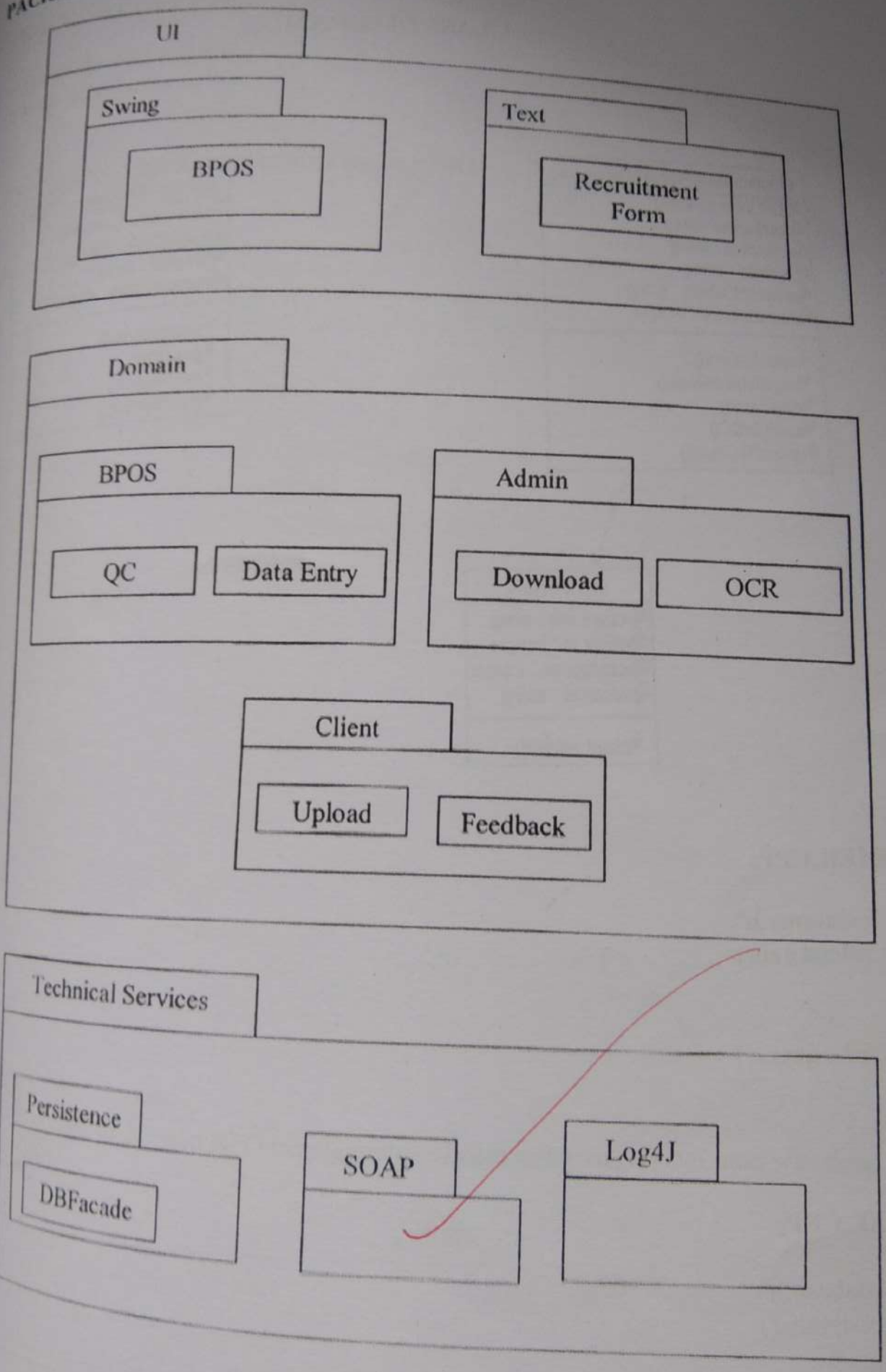
STATE CHART DIAGRAM



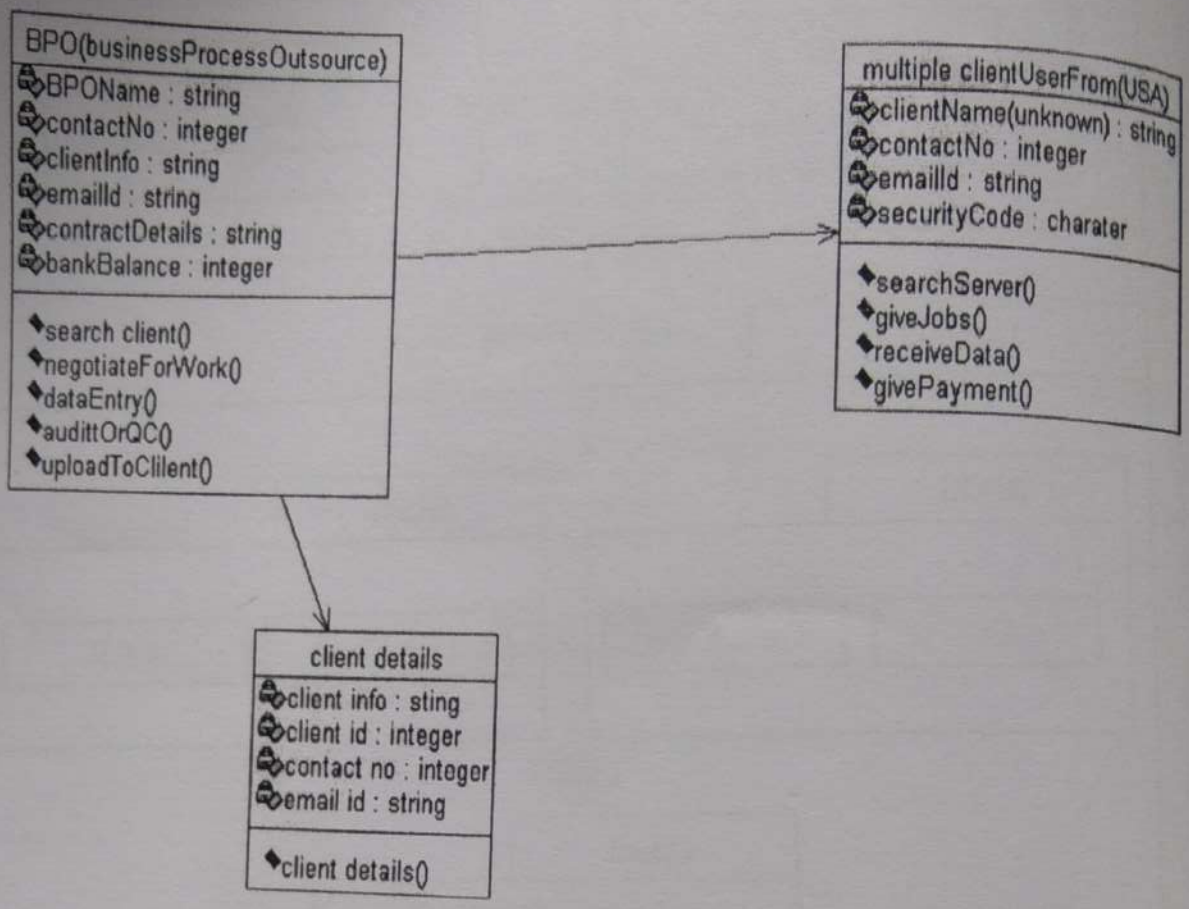
DEPLOYMENT DIAGRAM



PACKAGE DIAGRAM:



CLASS DIAGRAM



OUTPUT:

CUSTOMER.CPP:

```
#include "customer.h"
customer::attend call()
{
}
customer::asks query()
{
}
```

DATABASE.CPP:

```
#include "database.h"
database::get details()
{
}
database::upadate detail()
```

```
{
}
```

PROCESSAGENT.CPP:

```
#include "process agent.h"
process agent::make call()
{
}
process agent::pitches about product make sales()
{
}
process agent::end the call()
{
}
```

EX. NO: 12
DATE: 11/4

CONFERENCE MANAGEMENT SYSTEM

AIM

To develop a project on Conference management system using Argo UML

PROBLEM ANALYSIS

The Conference Management System is an online website in which candidate can submit the paper and register themselves and then attend the conference. The paper will be reviewed. The details of the conference, date and time will be made available to them through the website. After getting the confirmation details the candidate should submit the revised and camera ready paper. Then the registration process will be done.

PROBLEM STATEMENT

The process of the candidates is to login the conference system and submit the paper through online. Then the reviewer reviews the paper and sends the acknowledgement to the candidate either paper selected or rejected. This process of on conference management system are described sequentially through following steps,

- The candidate login to the conference management system.
- The paper title is submitted.
- The paper is been reviewed by the reviewer.
- The reviewer sends acknowledgement to the candidate.
- Based on the selection, the best candidate is selected.
- Finally the candidate registers all details.

SOFTWARE REQUIREMENT SPECIFICATION

INTRODUCTION

This software specification document consist full set of features and function for online conference management system. In this we give specification about the system requirements that are apart from the functionality of the system to perform the candidate paper valuation. It tells the usability, reliability defined in use case specification.

PURPOSE

The purpose of the conference management system is that the system can easily review the process. The main process in this document is the submission of paper by the candidate, reviewing process by the reviewer and sending of acknowledgement to the candidates whose paper is selected.

SCOPE

The scope of this conference management process is to select the best candidate from the list of candidates based on their performance in the process.

USER CHARACTERISTICS

Candidate - Logins the conference system and submits the paper then do the registration process.
Reviewer – Review the paper, select best candidate and send acknowledgement to them.

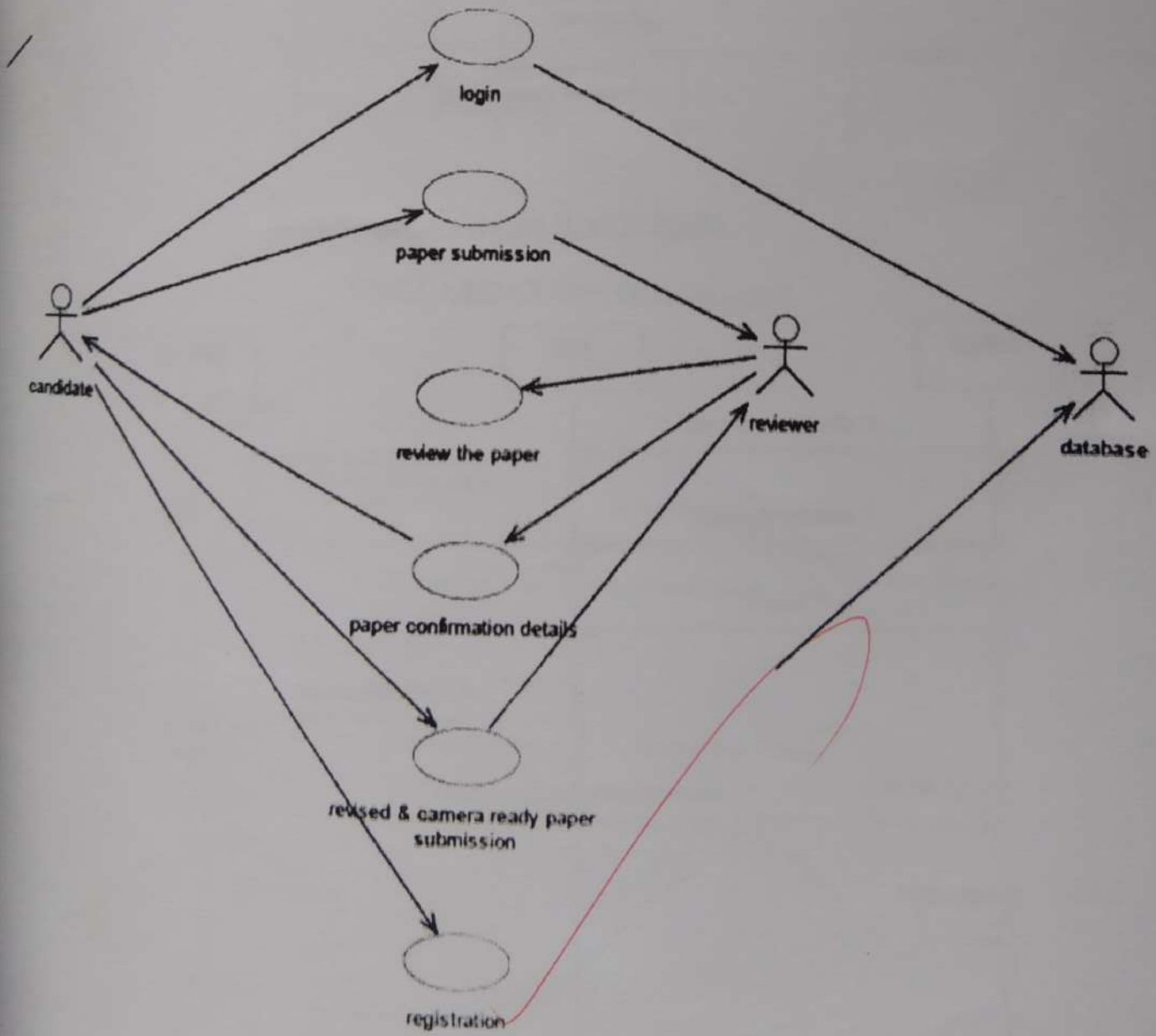
CONSTRAINTS

The user has to be careful while submitting the information. Much care is required.

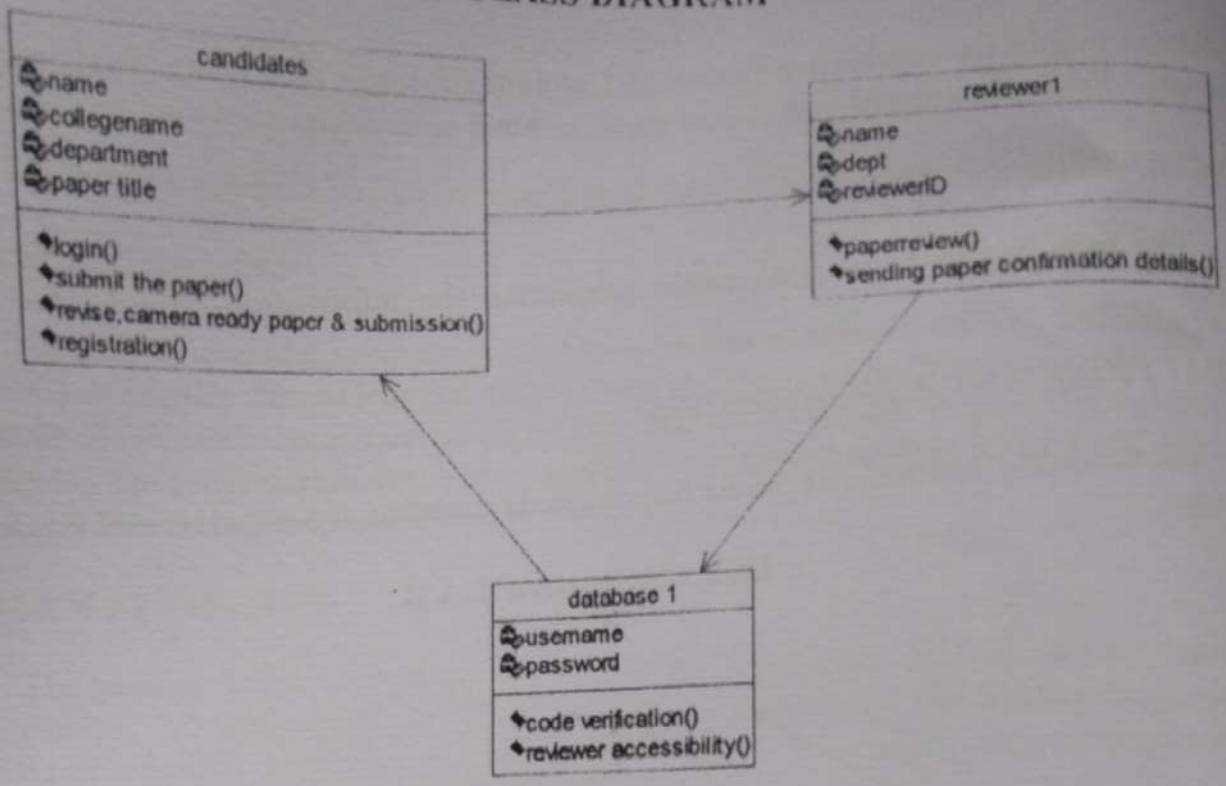
ASSUMPTIONS AND DEPENDENCIES

The candidate and reviewer must have basic knowledge of computers and English Language.

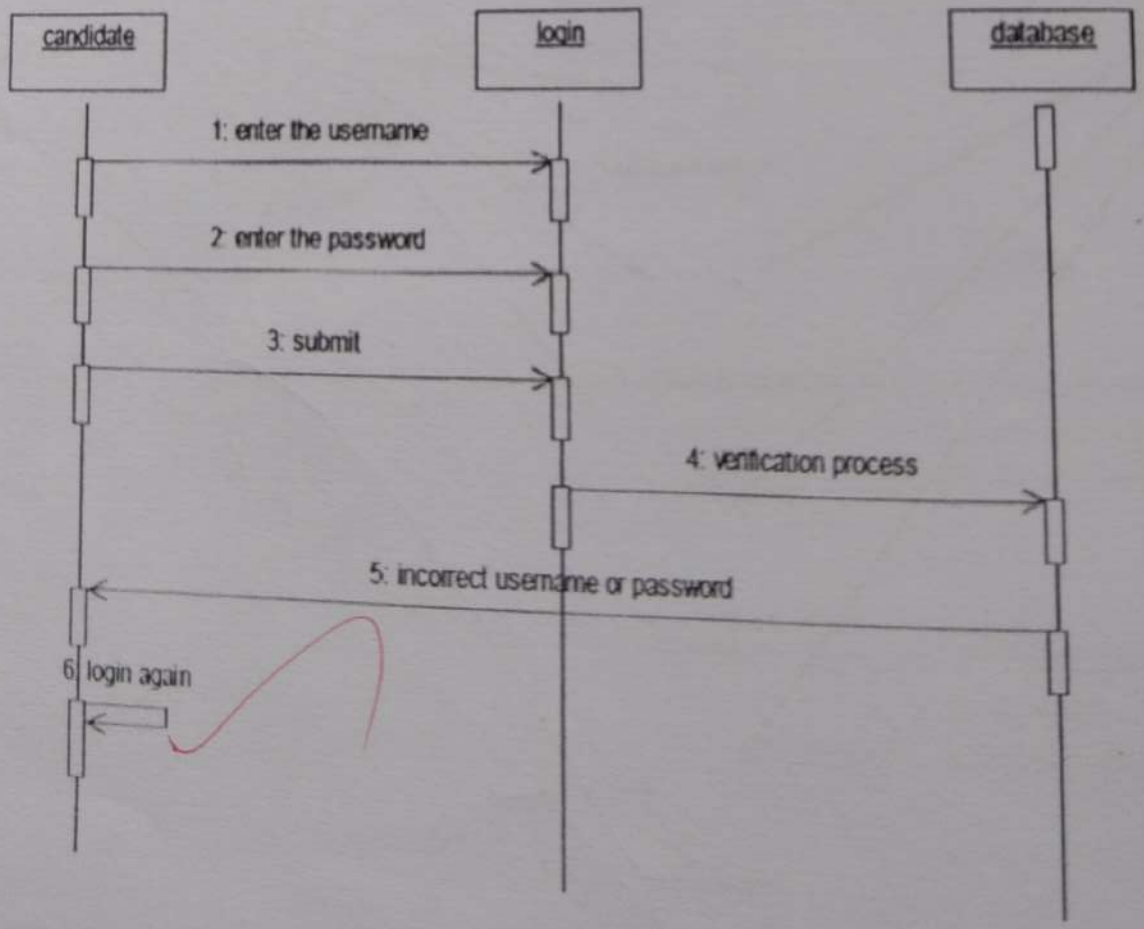
USE CASE DIAGRAM

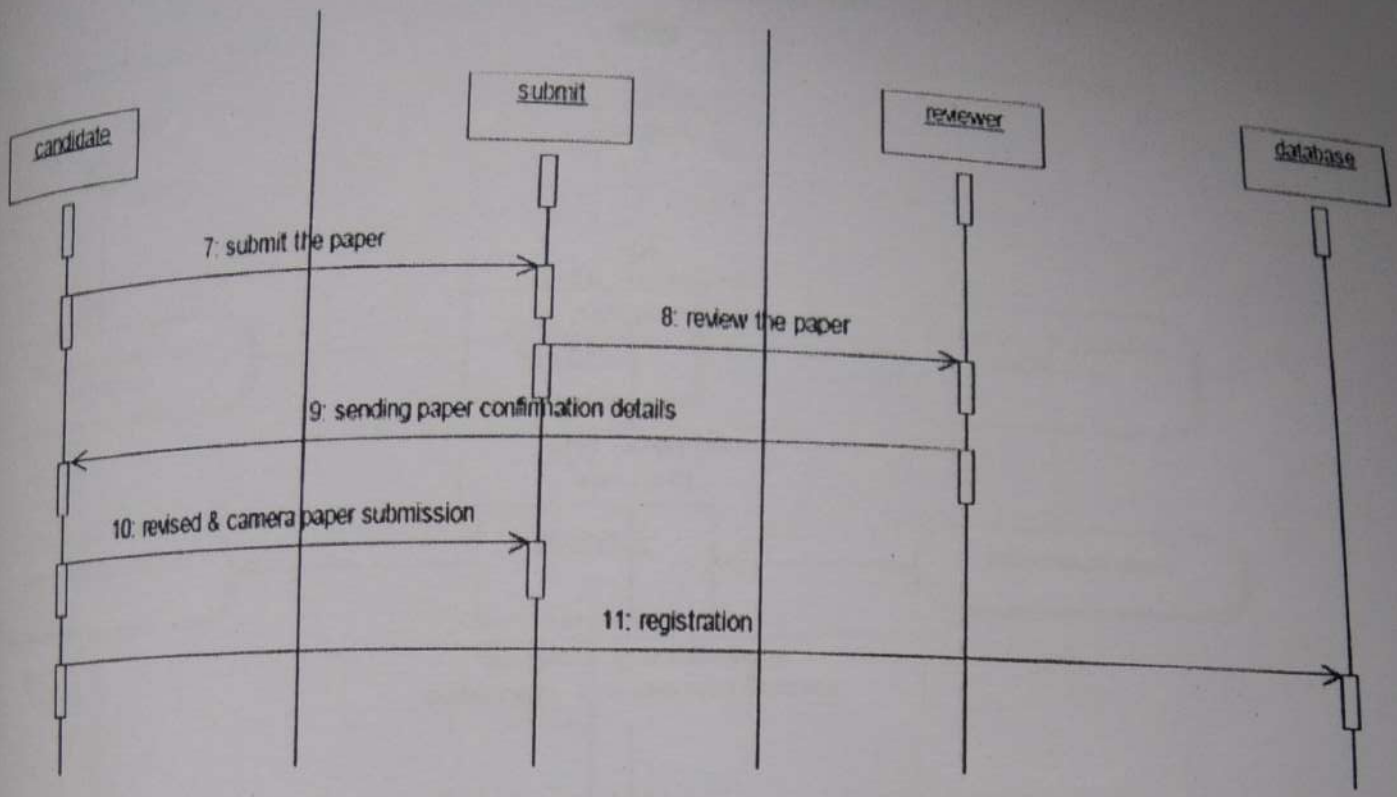


CLASS DIAGRAM

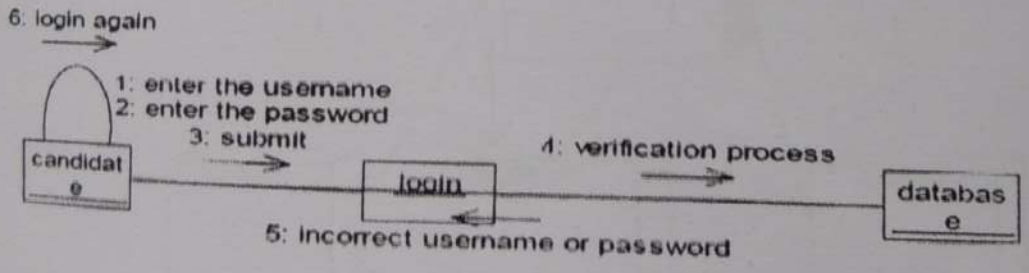


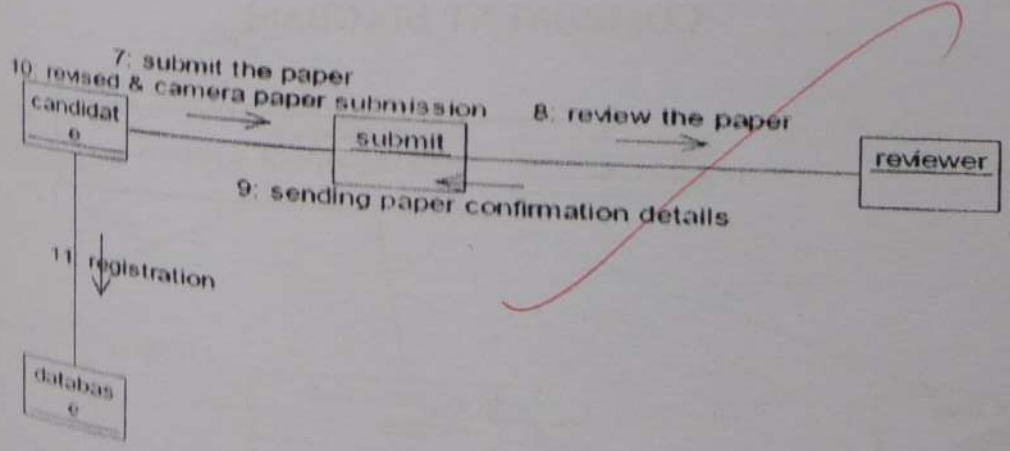
SEQUENCE DIAGRAMS



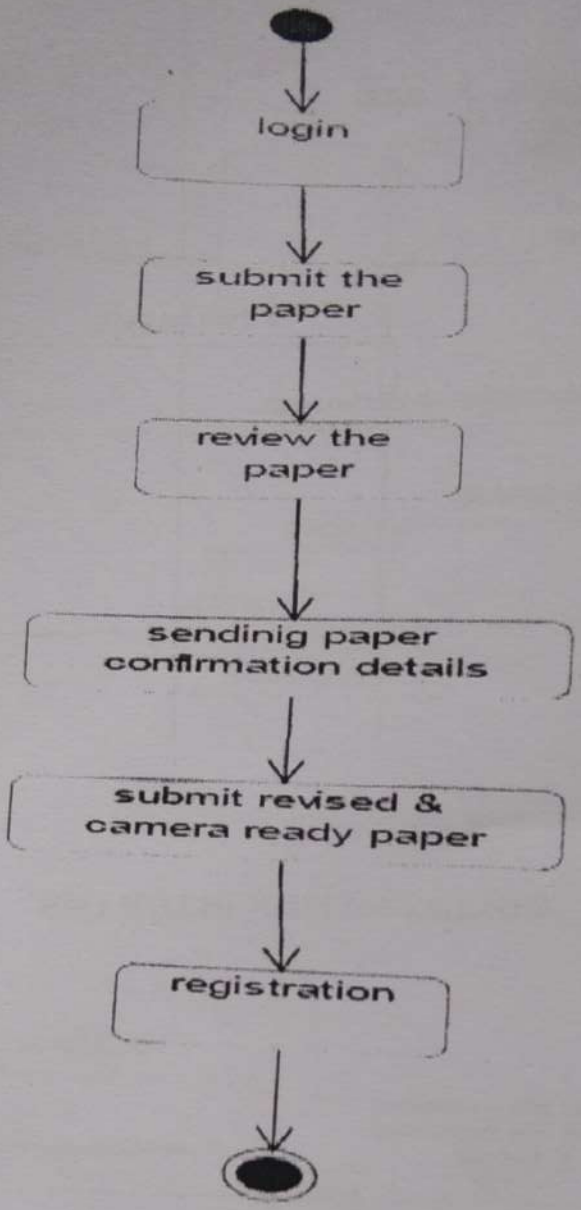


COLLABRATION DIAGRAMS

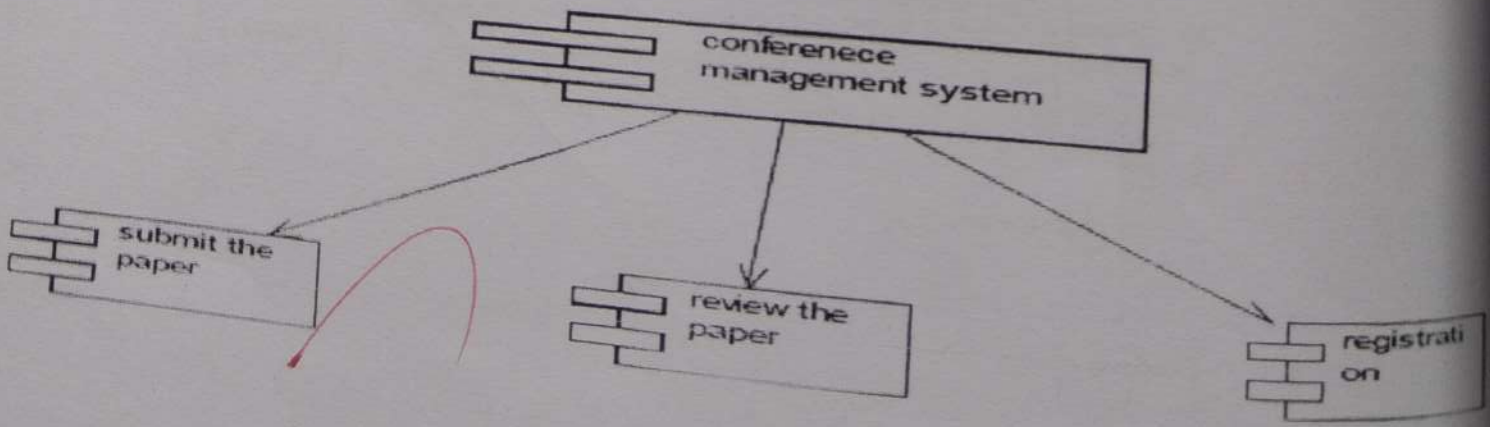




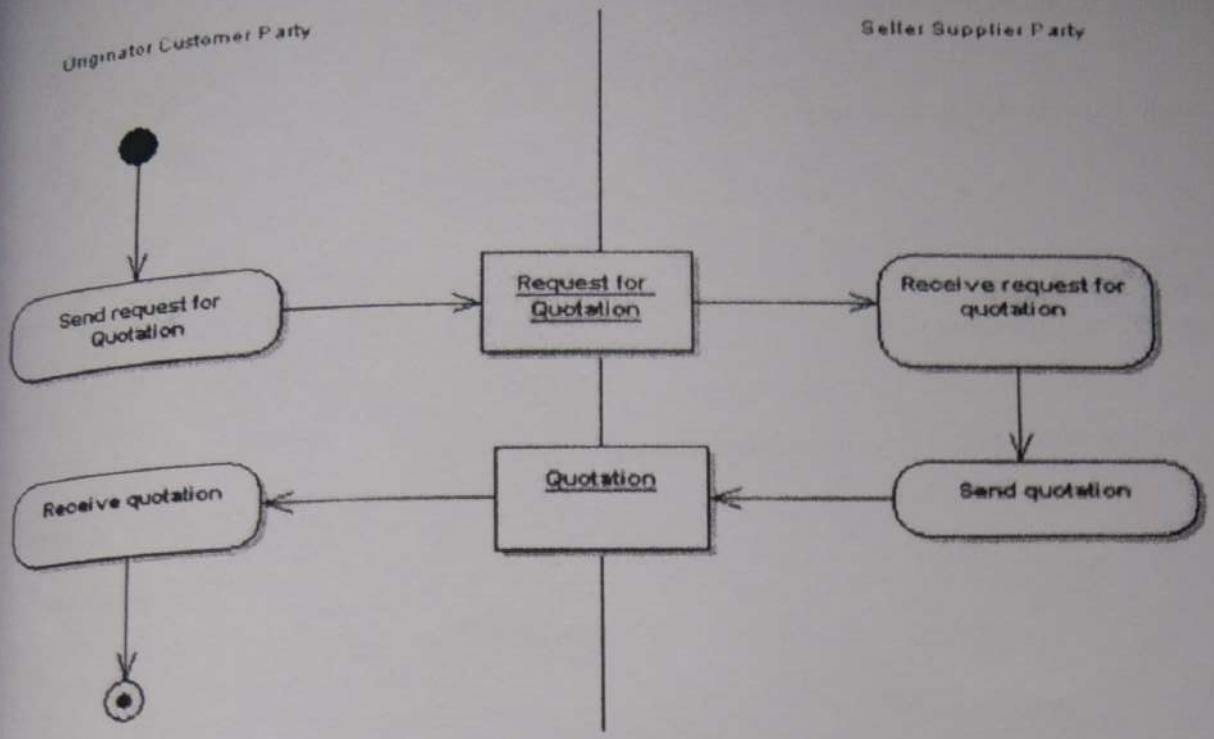
STATE CHART DIAGRAM



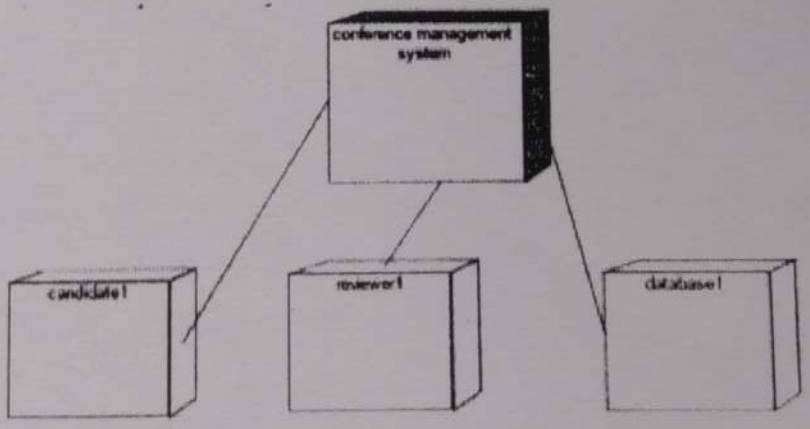
COMPONENT DIAGRAM



ACTIVITY DIAGRAM



DEPLOYMENT DIAGRAM



OUTPUT:

Candidates.cpp

```
#include "candidates.h"
candidates::login()
{
}
candidates::submit the paper()
{
}
candidates::revise,camera ready paper & submission()
{
}
candidates::registration()
{
}
```

Database.cpp

```
#include "database 1.h"
database 1::code verification()
{
}
database 1::reviewer accessibility()
{
}
```

Reviewer.cpp

```
#include "reviewer1.h"
reviewer1::paperreview()
{
}
reviewer1::sending paper confirmation details()
{
}
```

EX. NO: 10 RECRUITMENT SYSTEM
DATE: 4/4

AIM

To develop a project an recruitment system using Argo UML.

PROBLEM ANALYSIS

The Recruitment System is an online website in which applicant can register themselves and then attend the exam. Examination will be conducted at some venue. The details of the examination, venue and Date of the examination will be made available to them through the website. Based on the outcome of the exam the applicant will be short listed and the best applicant is selected for the job.

PROBLEM STATEMENT

The process of applicants is login to the recruitment system and register for the job through online. The resume is processed by the company and the required applicant is called for the test. On the basis of the test marks, they are called for next level of interview. Finally the best applicant is selected for the job. This process of online recruitment system are described sequentially through following steps,

- The applicant login to the online recruitment system.
- They register to the company for the job.
- They appear for examination.
- Based on the outcome of the exam, the best applicant is selected.
- The recruiter informs the applicant about their selection.

SOFTWARE REQUIREMENT SPECIFICATION

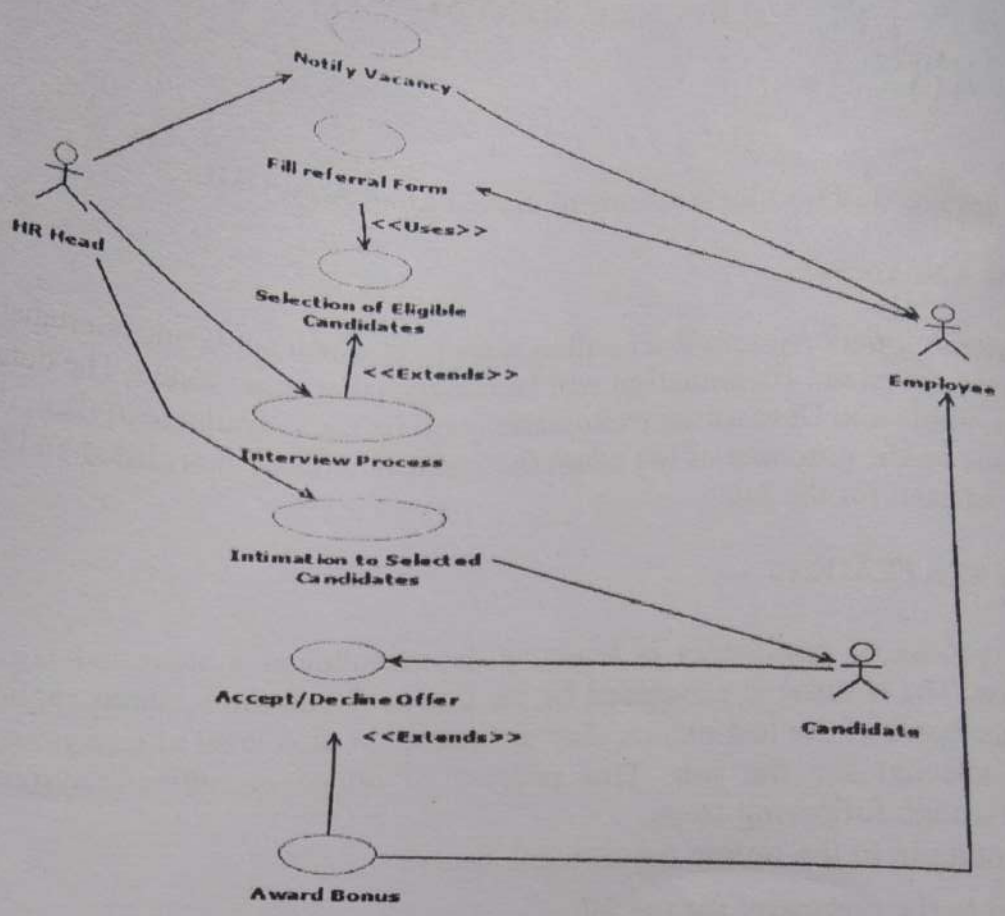
INTRODUCTION

This software specification documents full set of features and function for online recruitment system that is performed in company website. In this we give specification about the system requirements that are apart from the functionality of the system to perform the recruitment of the jobseekers. It tells the usability, reliability defined in use case specification.

PURPOSE

If the entire process of Recruitment is done in a manual manner then it would takes several days for the recruitment. Considering the fact that the number of applicants for recruitment is increasing every year, an Automated System becomes essential to meet the demand. So this system uses several programming and database techniques to elucidate the work involved in this process.

USE CASE DIAGRAM



SCOPE

The scope of this recruitment process is to select the best applicant from the list of applicant registered based on their performance in the recruitment process.

USER CHARACTERISTICS

- Applicant – These are the persons who desire to apply for the job.
- Organization - These are the person with certain privileges to announce recruitment depending upon the organization need. He/ She may contain a group of persons under him/her to publish advertisement and give suggestion whether or not to approve the recruitment.
- HR - He/ She is the person who upon receiving intimation from the RS, perform a personal verification of the applicants and see if he/she has eligibility for the advertised job through a process of Test and Interview.

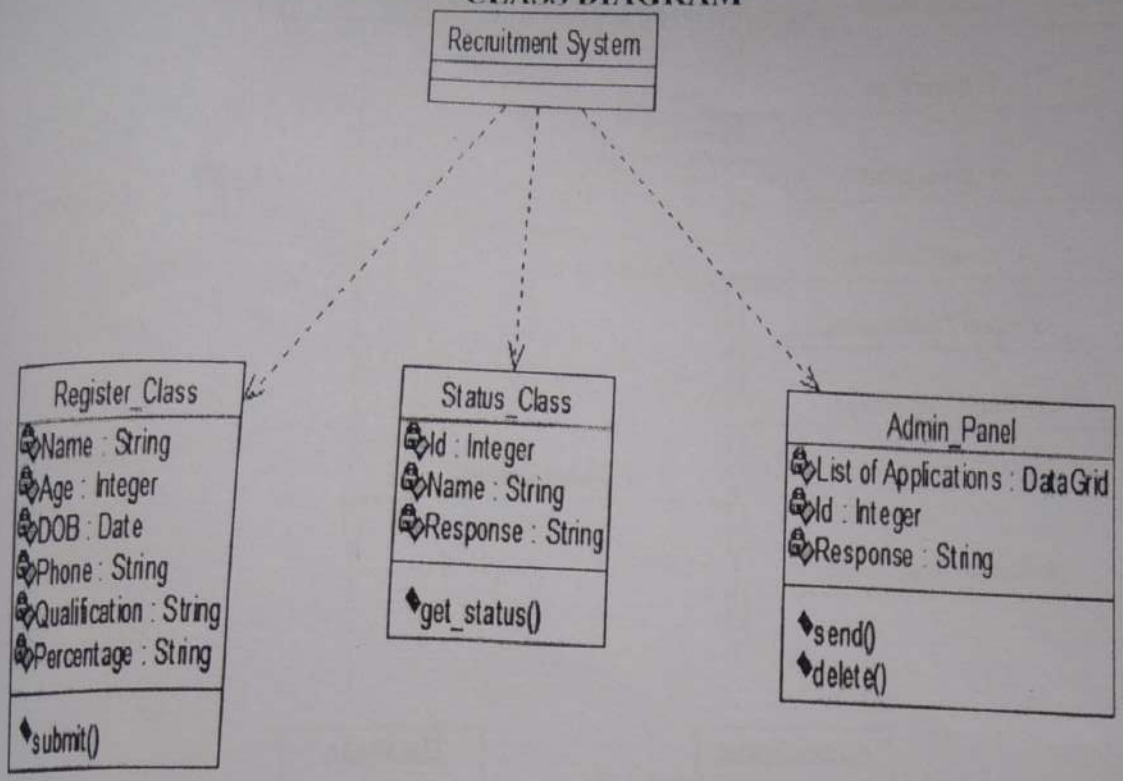
CONSTRAINTS

The Applicants require a computer to submit their information.

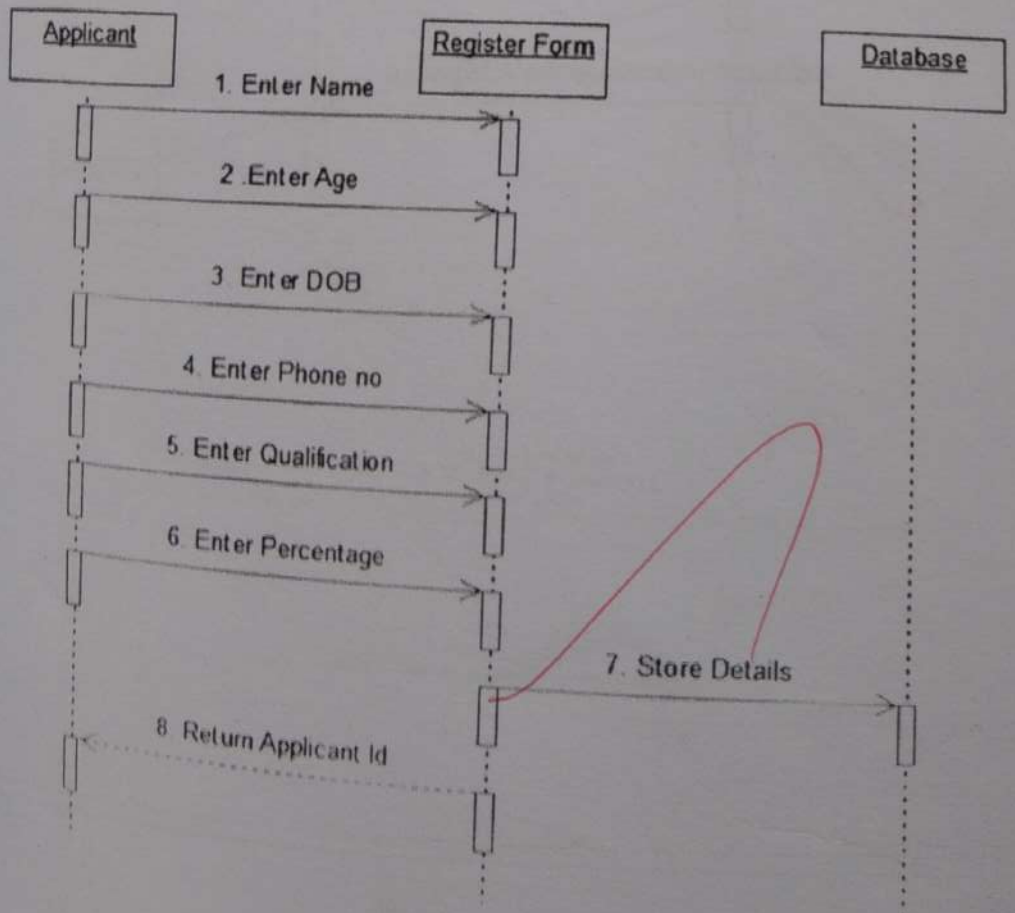
ASSUMPTIONS AND DEPENDENCIES

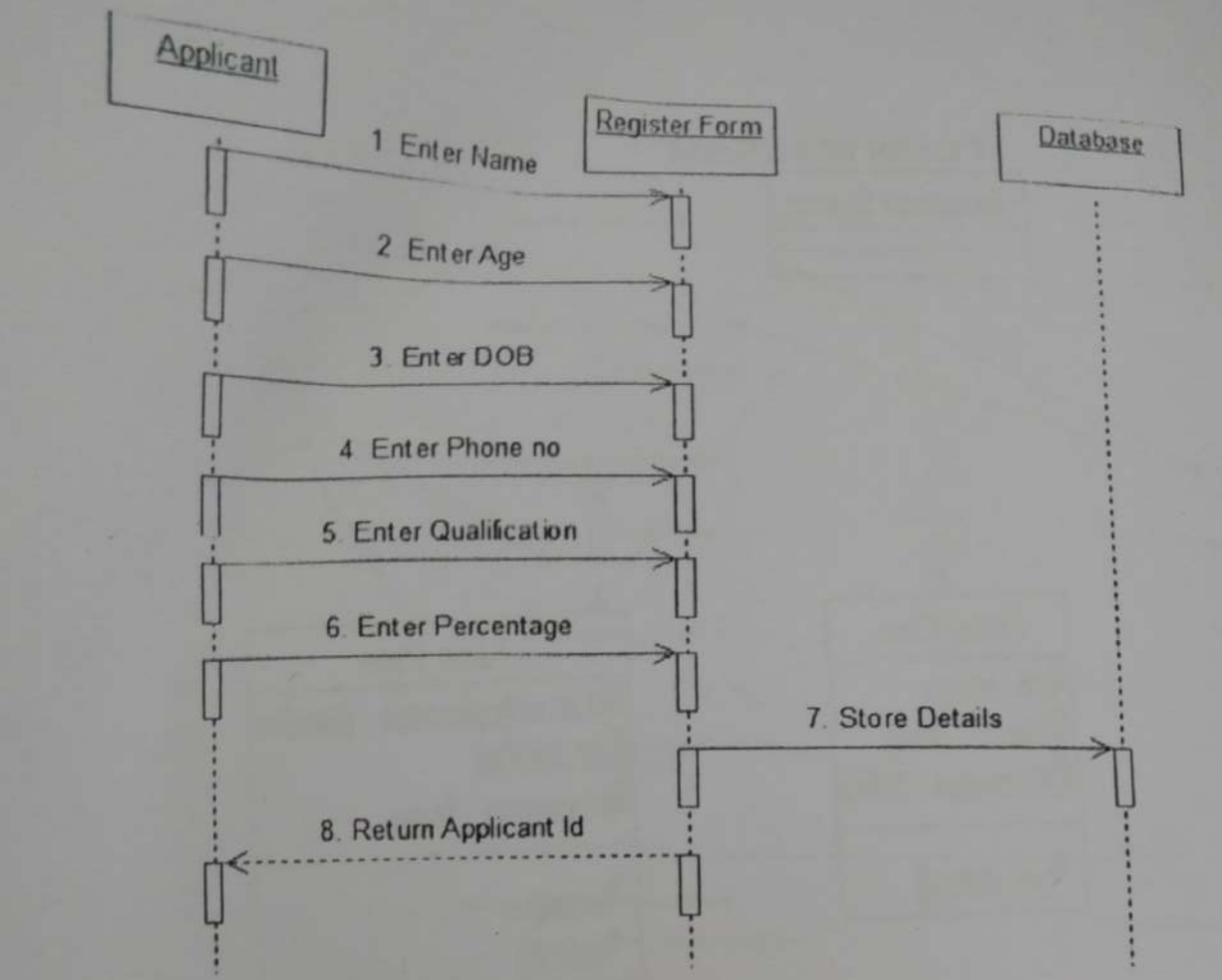
The Applicants and HR must have basic knowledge of computers and English Language

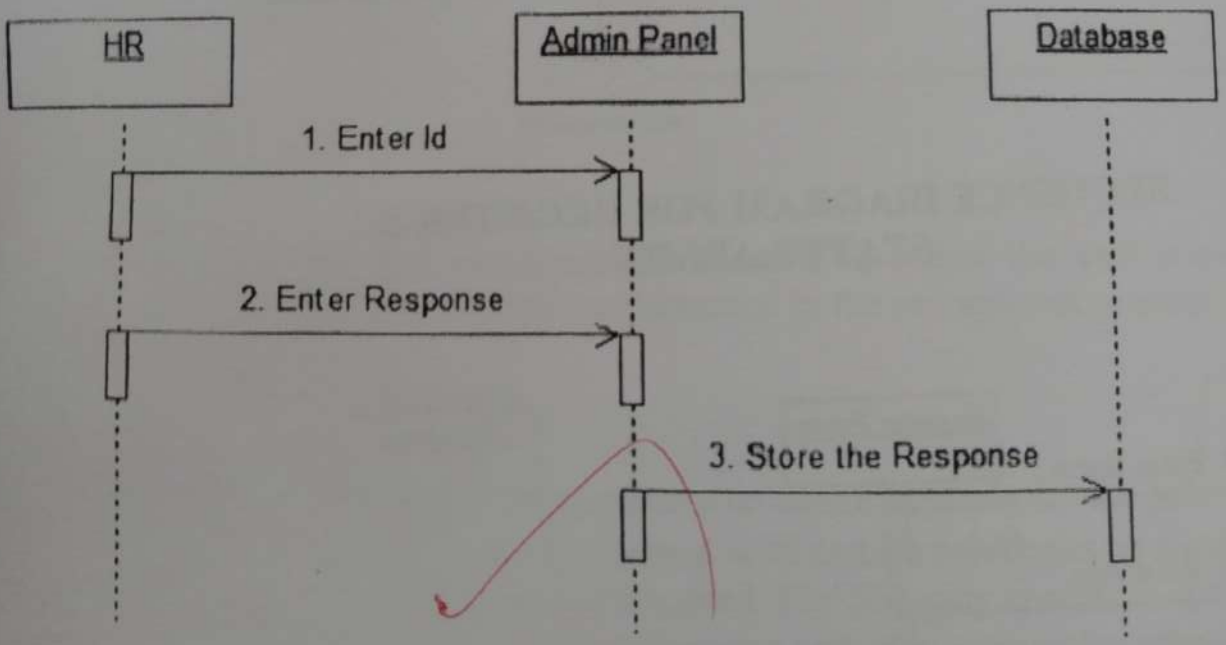
CLASS DIAGRAM



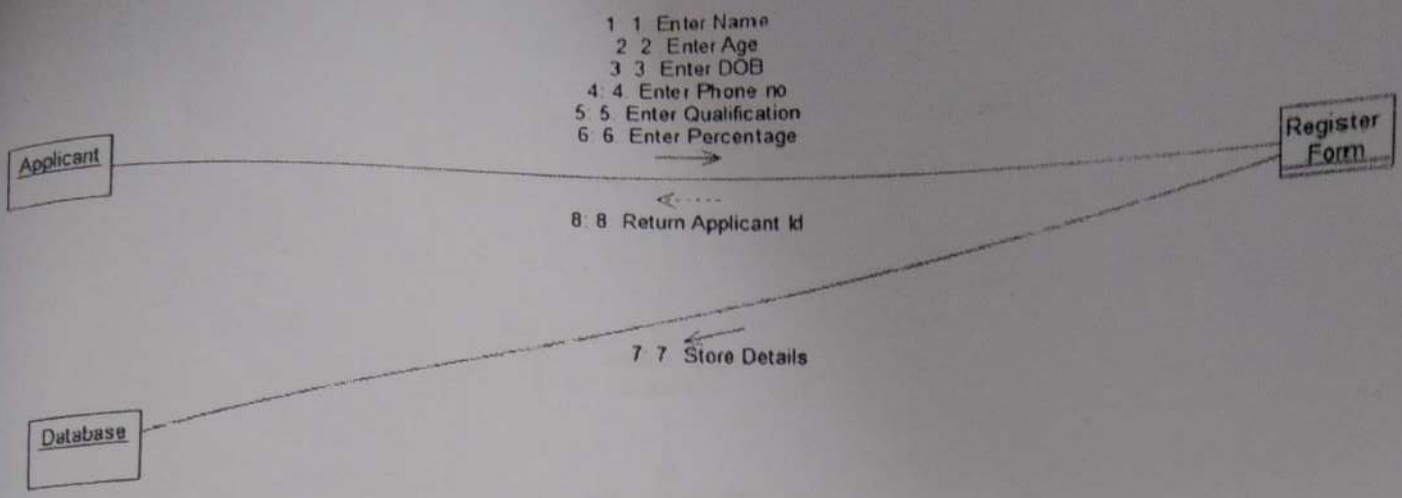
SEQUENCE DIAGRAM FOR REGISTER & STATUS,ADMIN

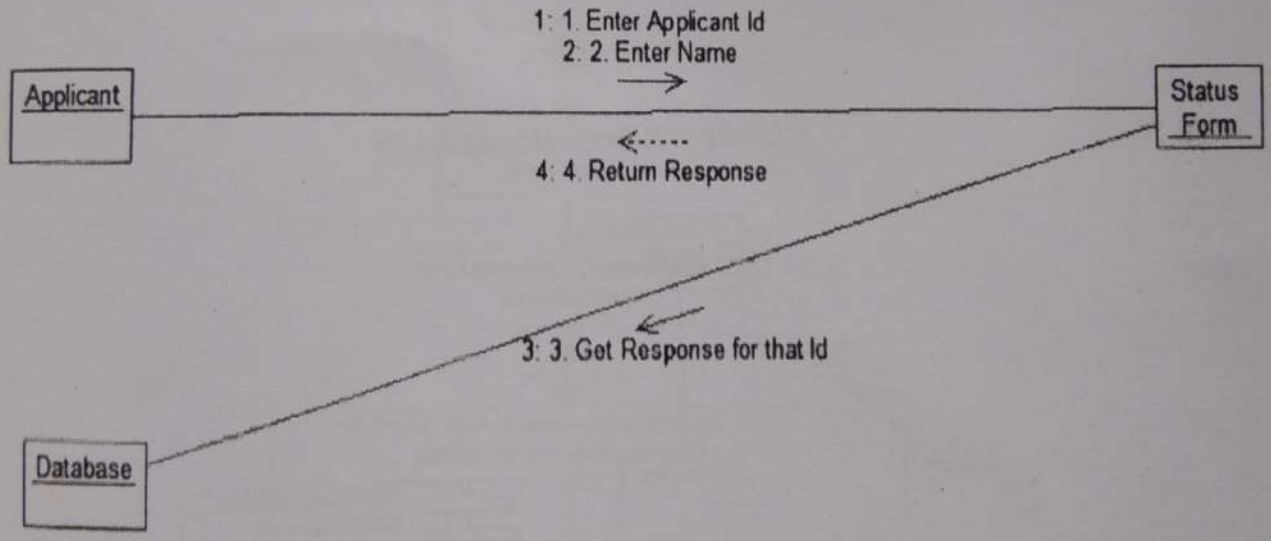


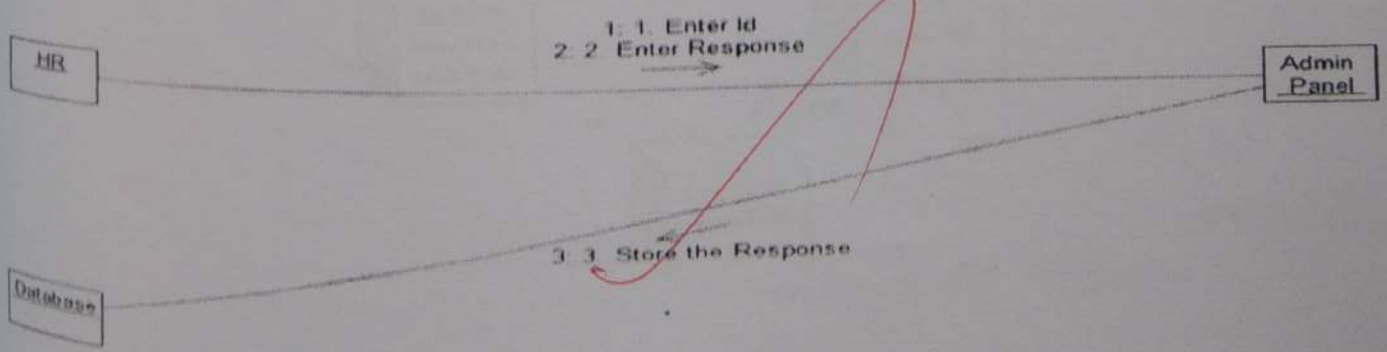

Applicant
Register Form
Database
1 Enter Name
2 Enter Age
3. Enter DOB
4 Enter Phone no
5. Enter Qualification
6. Enter Percentage
7. Store Details
8. Return Applicant Id


HR
Admin Panel
Database
1. Enter Id
2. Enter Response
3. Store the Response

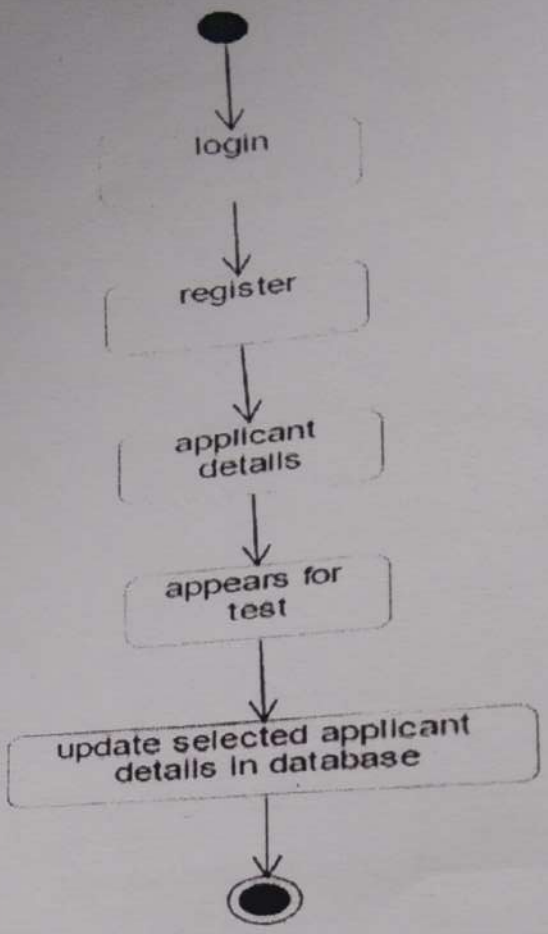
COLLABRATION DIAGRAM FOR REGISTER & STATUS,ADMIN



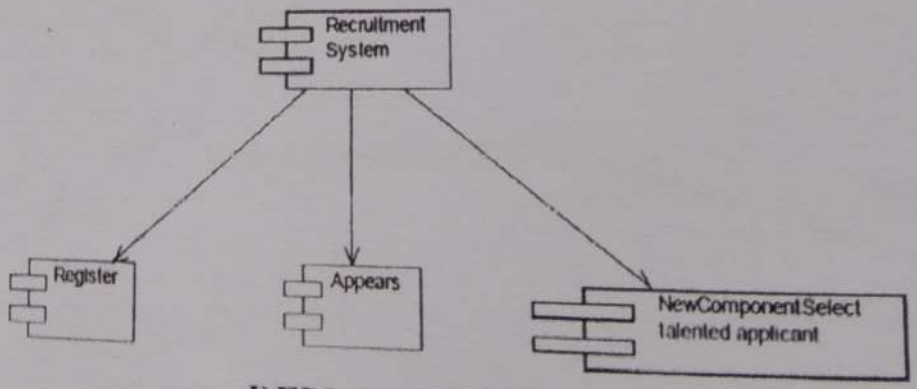




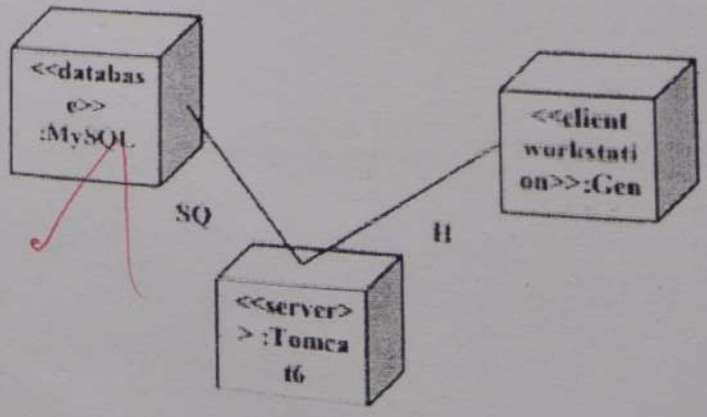
STATE CHART DIAGRAM



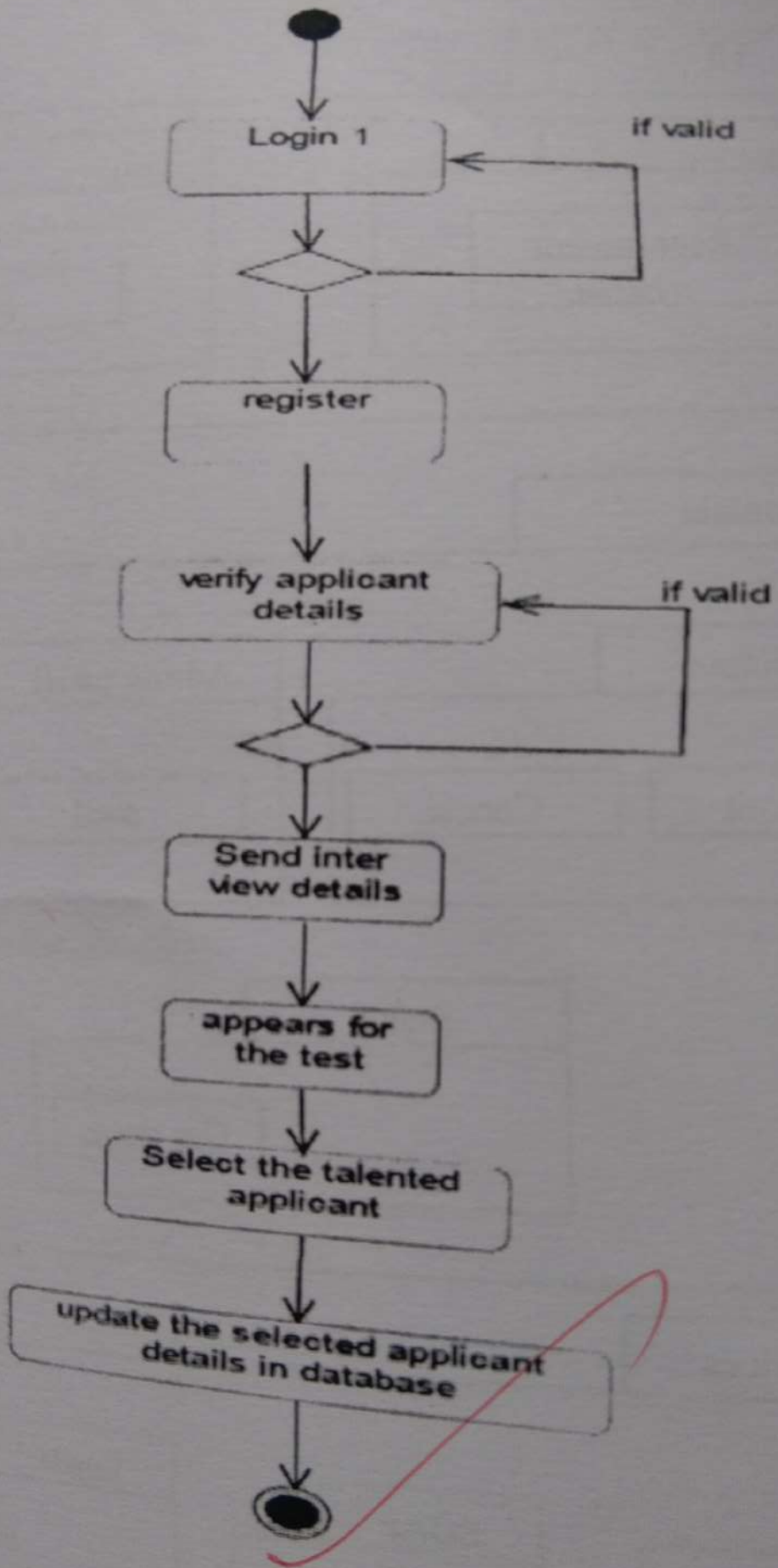
COMPONENT DIAGRAM



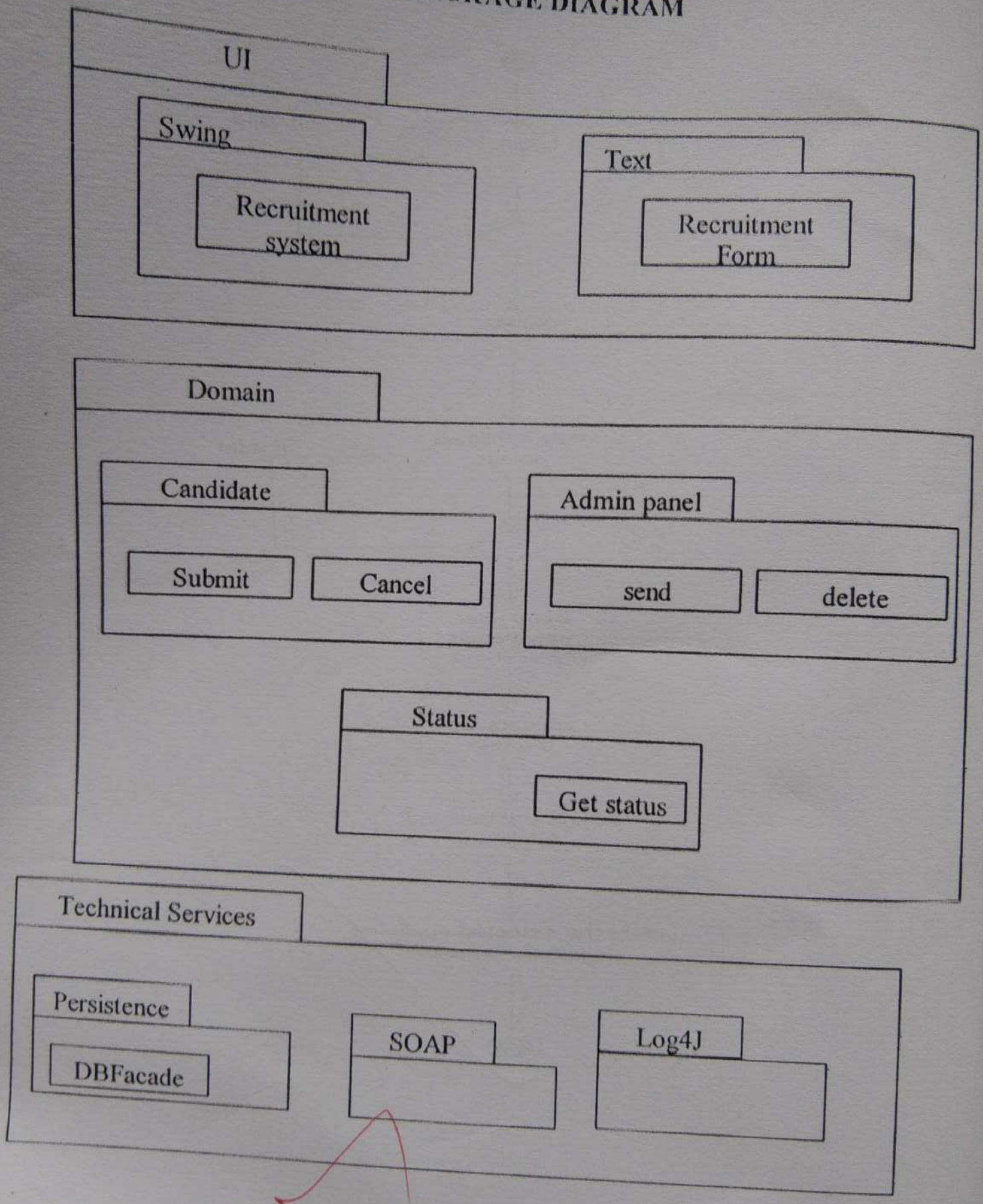
DEPLOYMENT DIAGRAM



ACTIVITY DIAGRAM



PACKAGE DIAGRAM



OUTPUT:

Applicant.cpp:

```
#include "Applicant1.h"
Applicant1::Register()
{
}
Applicant1::Login()
{
}
Applicant1::Applicant Details()
{
}
```

Database1.cpp:

```
#include "Database11.h"
Database1::APs_details()

{
Database1::tech_details()
{
}
Database1::selected_applicant_details()
{
}
```

Recruiter.cpp:

```
#include "Recruiter1.h"
Recruiter1::APS_test()
{
}
Recruiter1::APS1_test()
{
}
Recruiter1::Tech_Round()
{
}
Recruiter1::Tech1_Round()
{
}
```

RESULT

Thus the project to develop online recruitment system using Argo UML was done successfully.