191071902
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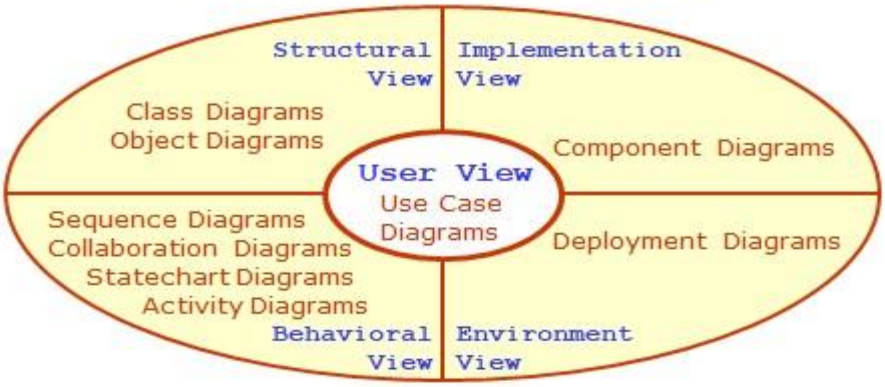
T. Y. B. Tech. C. S.

Experiment No. 2

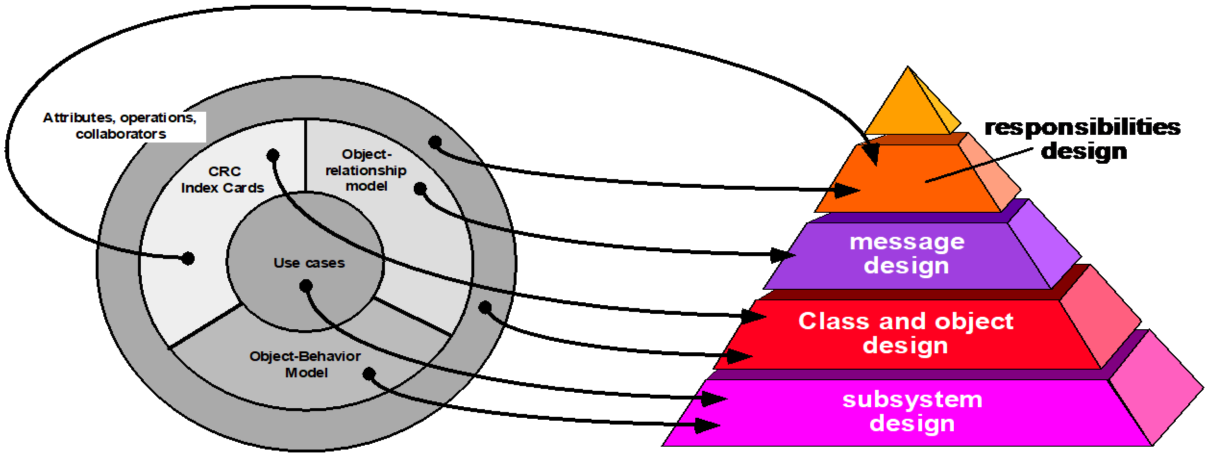
AIM: OOAD USING UML

THEORY:

(i) Give structural view and Behavioral view.
(iii) Implement the project and illustrate implementation view.
(iii) Illustrate the environmental view with specifications.
Use the following dimensions for answering your experiment.



Map the analysis Model with design Model. Use the following dimensions for the design of object oriented software.



THE ANALYSIS MODEL

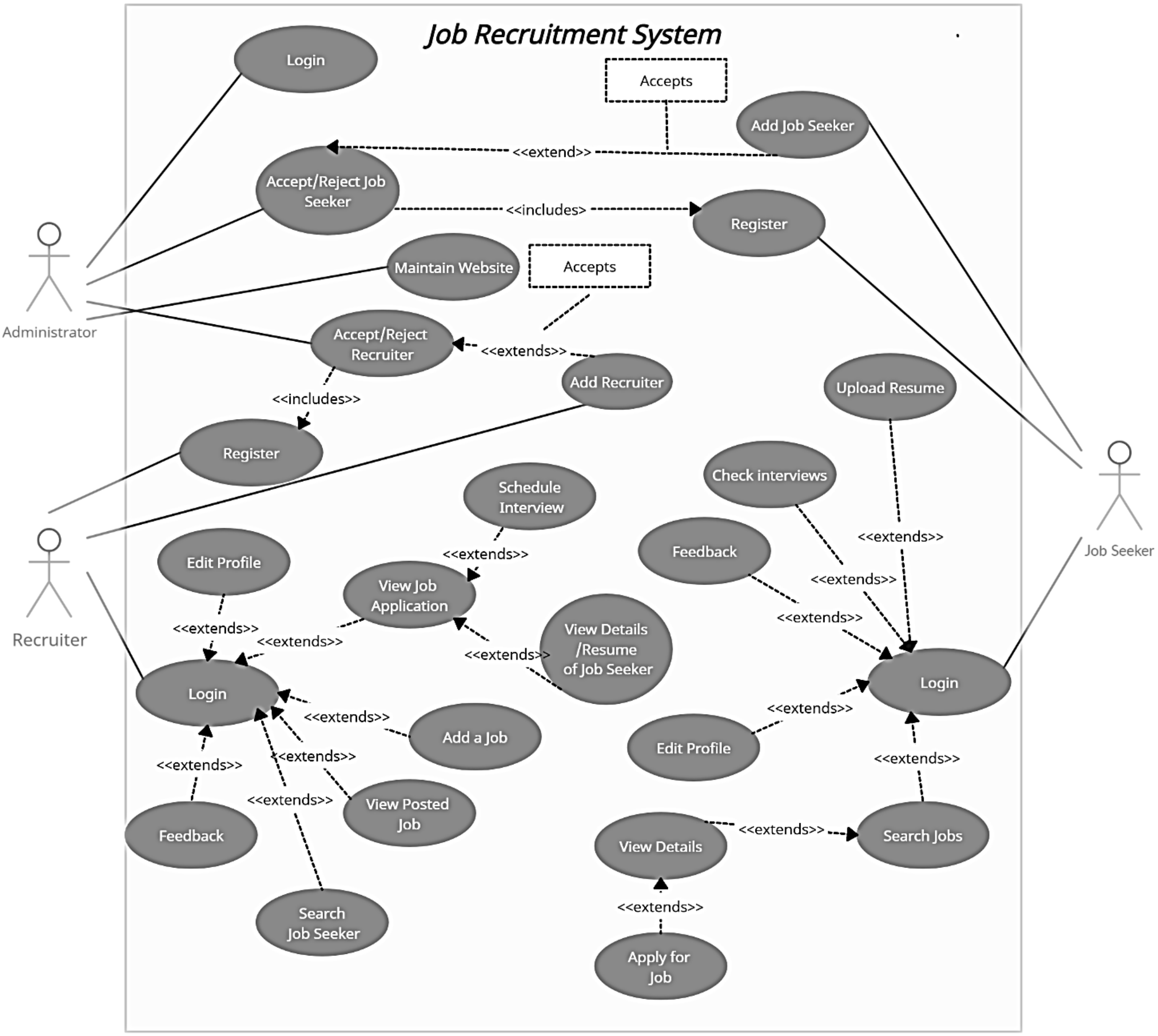
THE DESIGN MODEL

Design the software architecture, algorithm and data structure design and authoring system for the given project.

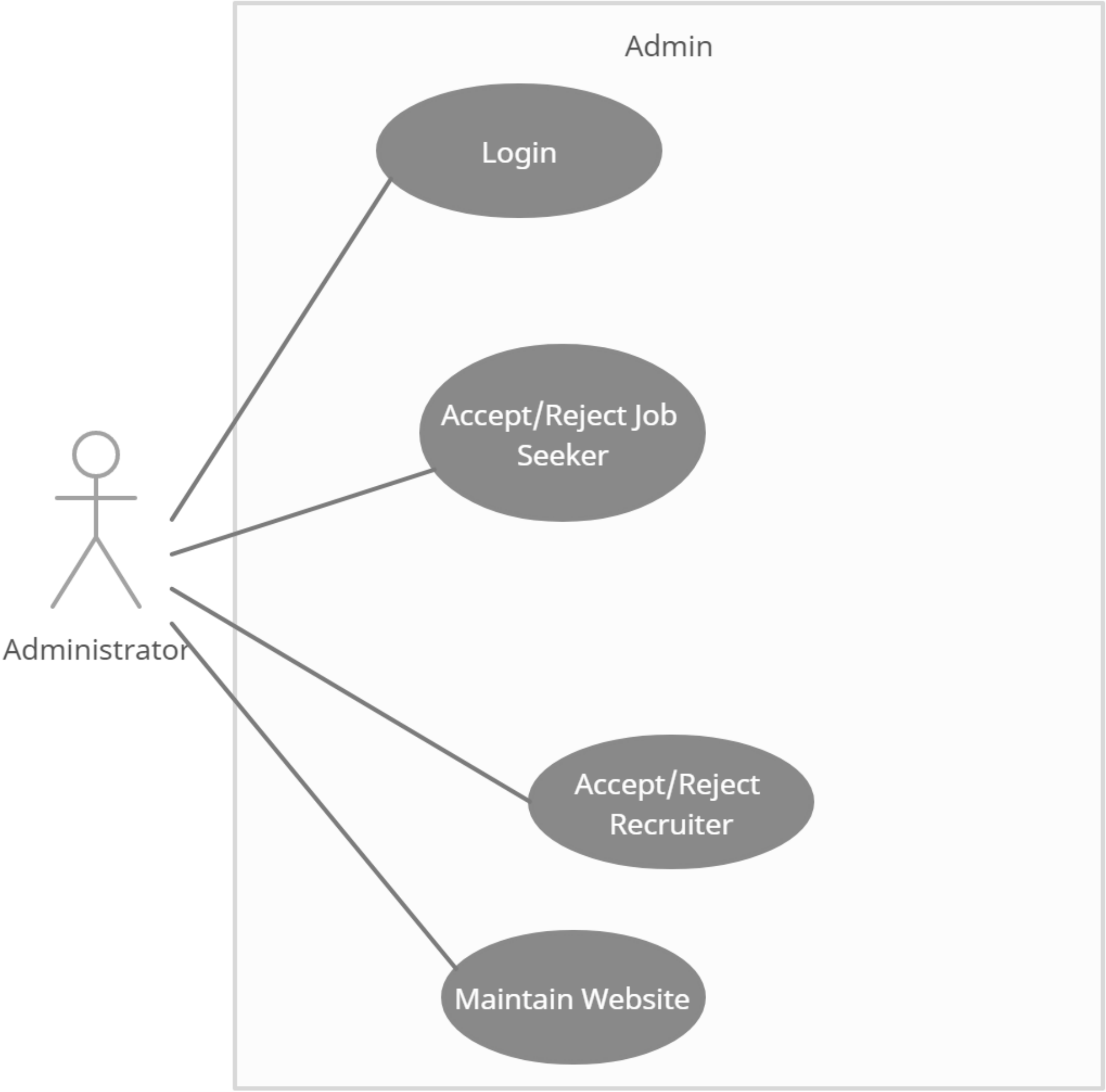
User View

USE CASE DIAGRAM

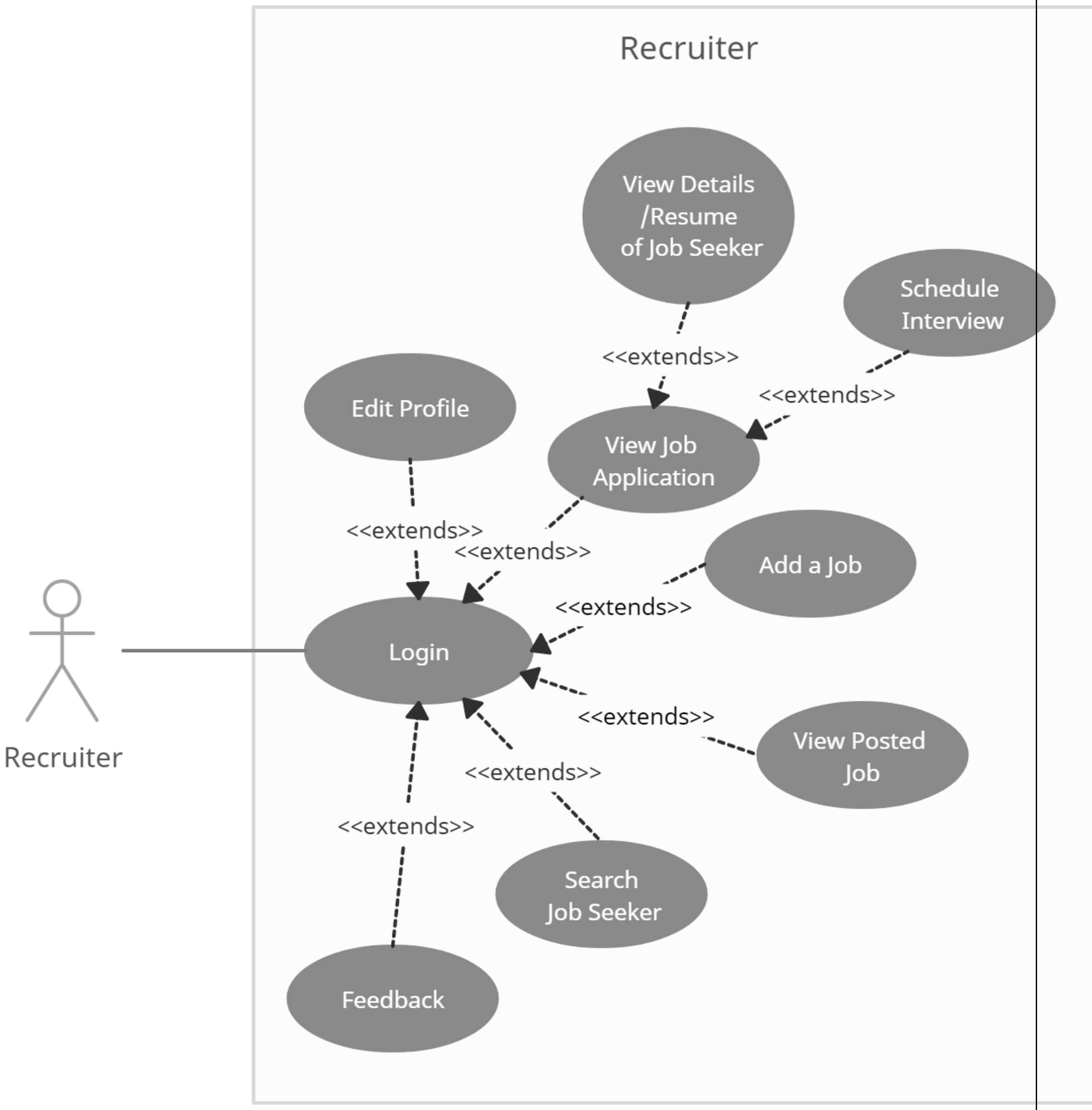
1. ***Complete System***



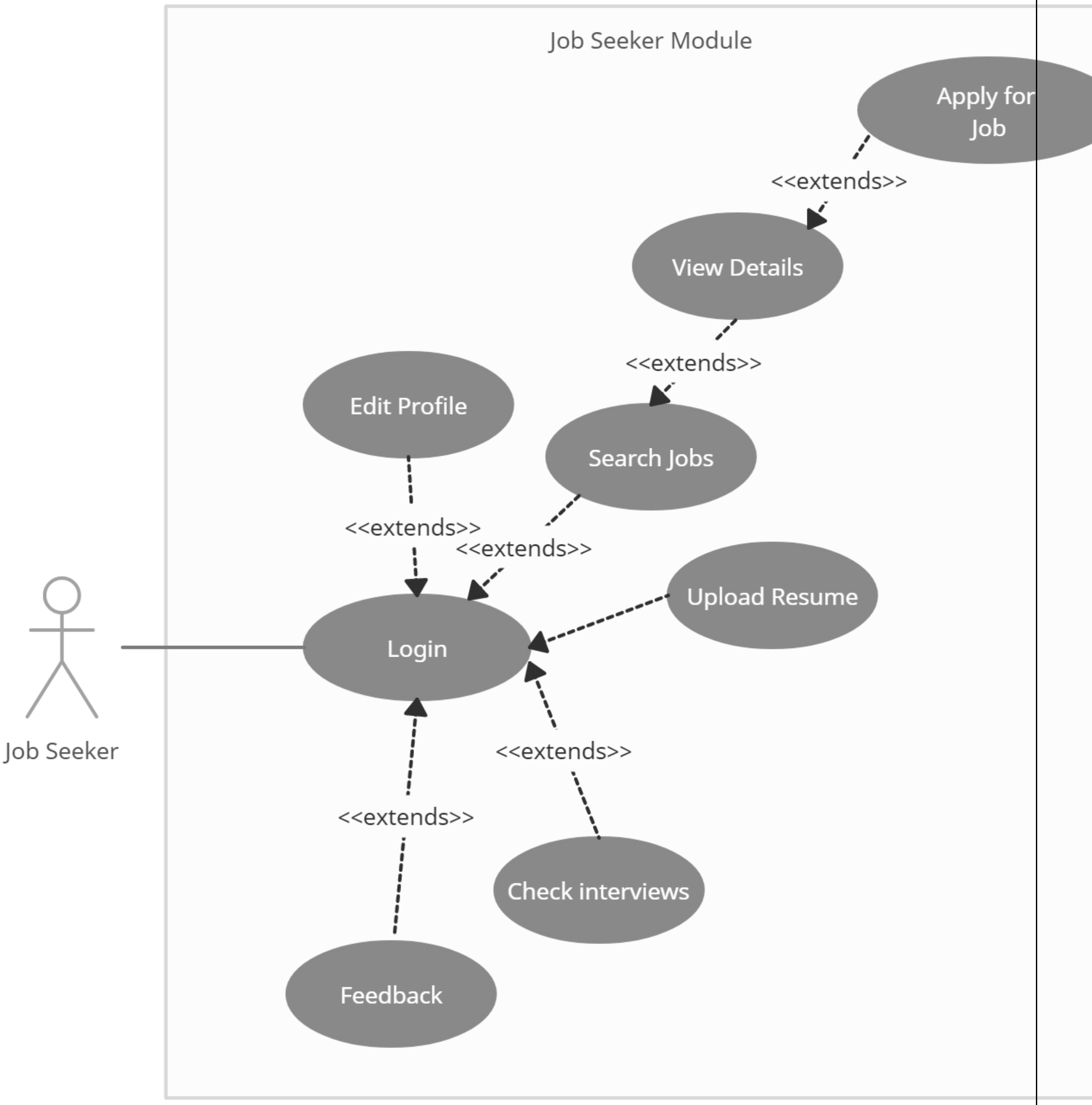
2. ***Admin***


Admin
Login
Accept/Reject Job Seeker
Administrator
Accept/Reject Recruiter
Maintain Website

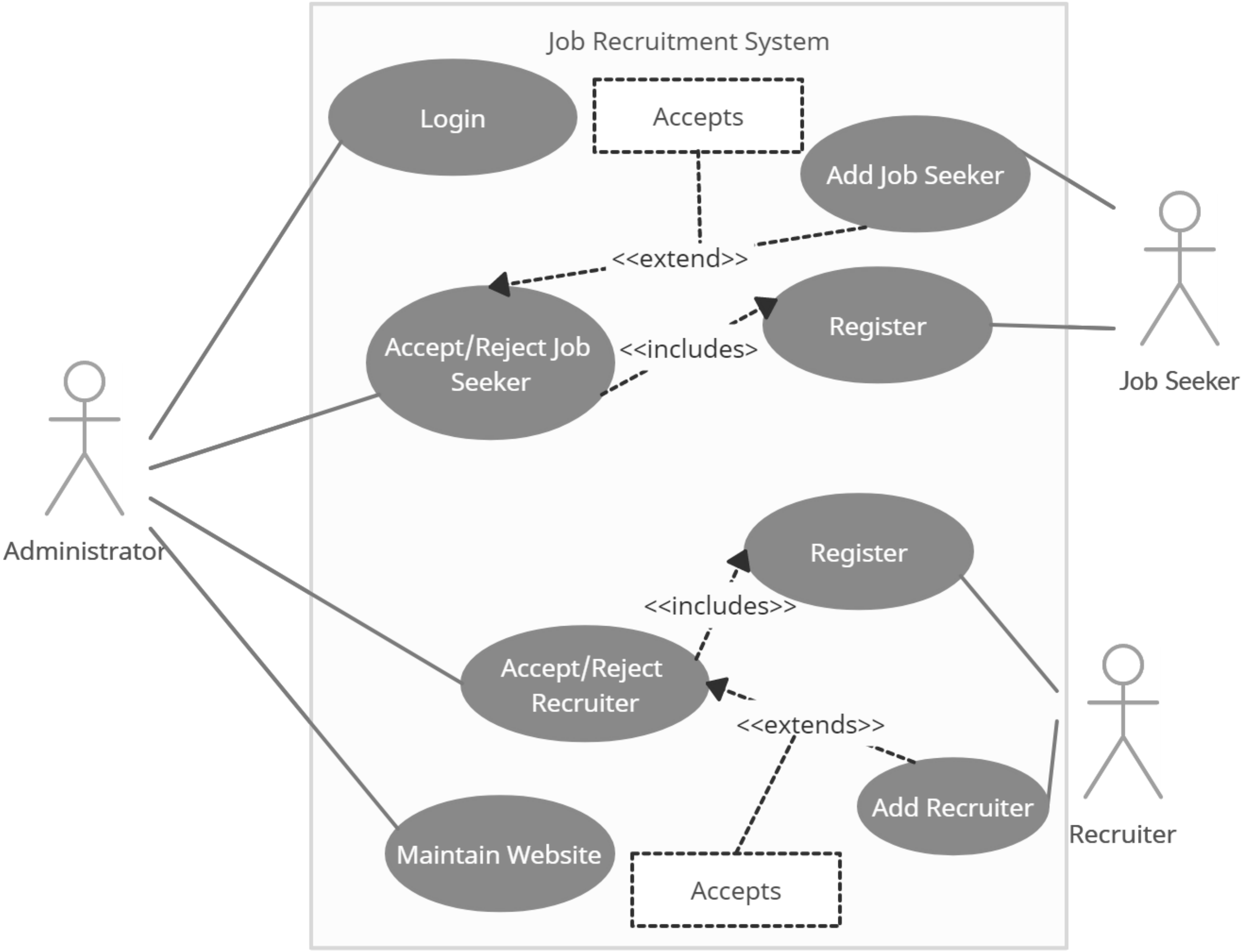
3. ***Recruiter***


Recruiter
View Details /Resume of Job Seeker
Schedule Interview
<<extends>>
<<extends>>
Edit Profile
View Job Application
<<extends>>
<<extends>>
Add a Job
<<extends>>
Recruiter
Login
<<extends>>
View Posted Job
<<extends>>
<<extends>>
Search Job Seeker
Feedback

4. ***Job Seeker***


Job Seeker Module
Apply for Job
<<extends>>
View Details
<<extends>>
Edit Profile
Search Jobs
<<extends>>
<<extends>>
Upload Resume
Job Seeker
Login
<<extends>>
<<extends>>
Check interviews
Feedback

5. ***Admin Interaction***



USE CASE TEMPLATE

1. *Use Case: Registration*

Name	Register
Summary	A new user (a user which doesn't have an account) should first register into the system to use it. This feature will allow the user to enroll into the system if the user is a new user and doesn't already have an existing account.
Rationale	The user can access the system
Actor	Job Seeker and Recruiter
Pre-Condition	None
Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI the registration. 3. User enters the valid details required to join the system 4. Submits the form
Post- Condition	User is registered
Alternate Flow	1. User goes back to the Login Page
Exception	Username already taken

2. *Use Case: Login*

Name	Login
Summary	Job seeker can change information into their profiles which include profile edit, delete, and update.
Rationale	After registration of the user, the valid user can login into the system
Actor	All Users
Pre-Condition	The login name and password should match with the login name and password provided while registering. If the username and or password do not match, the user cannot login successfully into the system.

Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI the login form 3. The user writes its username, password and type 4. If valid, user can login into the system. If the username and or password do not match, the user cannot login successfully into the system.
Post- Condition	User goes to his/her dashboard
Alternate Flow	1. The username and password is blank 2. The type of user is not specified 3. The username and password do not match

3. *Use Case: Manage Profile*

Name	Manage Profile
Summary	User can change information into their profiles which include profile edit, delete, and update.
Rationale	If there is unnecessary date and fake profiles that are running on the site then Admin will have rights to remove or delete the profile.
Actor	All Users
Pre-Condition	Profile and record must exist
Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI of different pages. 3. User will input the necessary data into the fields. 4. System will update the record as per requirements.
Post- Condition	User receives the notification that profile has been approved or profile has been updated.
Alternate Condition	2. The details enter to not validate, e.g. age is <18, date of bitrth is out of range.

4. *Use Case: Upload CV*

Name	Upload CV
Summary	Job seeker can post his/her CV on job portal
Actor	Job seeker
Pre-Condition	New Jobs and other features should be displayed.
Basic course of Event	1. Job seeker search for a specific job category. 2. The system displays GUI for the new jobs and features. 3. Job seeker clicks on the new jobs option and upload his/her CV there. 4. System will show all the CV on the admin and job seeker end.
Post- Condition	CV successfully uploaded.
Alternate Flow	3. The type of file uploaded does not match the required file type 4. The size of file is more than the maximum available size

5. *Use Case: Apply/Search for Job*

Name	Search/Apply Jobs
Summary	Job seeker can search for jobs related to his interest using filters, if interested he can apply for the job
Rationale	Job Seeker is searching for a job
Actor	Job Seeker
Pre-Condition	Job Seeker must have an account
Basic course of Event	1. Jobseeker access the required page to search the job. 2. System will show the appropriate GUI for searching and filtering the jobs 3. Job Seeker will fill all the required fields and describe the category and type of a job. 4. If, he/she is interested he will Apply for the job
Post- Condition	Apply for the job and wait for Interview notification.
Alternate Flow	The search criteria entered has no jobs listed

6. *Use Case: Job Application Status*

Name	Job application status
Summary	Job seeker can check its status either their application is accepted.
Rationale	If their application is accepted and rejected, then they must know about the status, so that they can further proceed.
Actor	Job seeker
Pre-Condition	Job should have been applied for
Basic course of Event	1. The job seeker login to system and check status of his application 2. The system displays GUI for the job application page. 3. Job seeker clicks on the page and check its status. 4. System will show all the results regarding their post on the jobs.
Post- Condition	Result successfully shown to the job seeker

7. *Use Case: Post jobs*

Name	Post Jobs
Summary	Recruiter can post the job
Rationale	Recruiter wants to find the right employees for specific job.
Actor	Recruiter
Pre-Condition	Recruiter must have a task and reasonable price for that task
Basic course of Event	1. Recruiter access the required page to post the job. 2. System will show the appropriate GUI for posting the project. 3. Recruiter will fill all the required fields and describe the category and type of a project. 4. System will post the job.
Post- Condition	Anyone can see the posted job and apply for it after registration.
Alternate Flow	5. The job details are not sufficient enough to be posted

8. *User Case: View Job seeker profile*

Name	View Job seeker profile
Summary	Recruiter can search the job seeker by name and can view the whole portfolio of job seeker.
Rationale	If a Recruiter has a job then he can search the job seeker and see entire profile of all employees or jobseekers.
Actor	Recruiter
Pre-Condition	Recruiter must be existing in a list and Job Seeker has applied for the Job
Basic course of Event	1. The user indicates that the system is to perform a search function. 2. System responds by the requesting the search term and shows the results. 3. System will show the entire job seeker in a relevant field in which Recruiter wants.
Post- Condition	Recruiter can see whole information about the job seeker.

9. *Use Case: Hire Jobseeker*

Name	Hire Job seeker
Summary	Recruiter can hire the employee for a specific job required
Rationale	Recruiter has a job and wants to search the employee for the project if found, Recruiter will hire schedule the interview.
Actor	Recruiter
Pre-Condition	Recruiter should have posted a job.
Basic course of Event	1. The user indicates that the system is to perform a search function. 2. System responds by the requesting the search term and shows the results 3. System will show the entire list of job seeker. 4. System will send the interview notification to the job seeker.
Post- Condition	Job seeker will receive the notification that he or she has been asked for interview.

10. User Case: Handle Users

Name	Handle Users
Summary	Admin can view all the user’s proceedings.
Rationale	If admin wants to job seeker and recruiter to be added to the system or denied.
Actor	Admin
Pre-Condition	Job Seeker or Recruiter has registered through the website
Basic course of Event	1. Job Seeker or Recruiter has registered through the website 2. Admin verifies the details and credentials of the user 3. If valid, he admits them into the system, else removes them
Post- Condition	Job Seeker and Recruiter’s account will be created

11. User Case: Feedback

Name	Feedback
Summary	To get a feedback from the user of the system
Rationale	To improve the system and understand the bugs
Actor	Recruiter and Job Seeker
Pre-Condition	Job Seeker or Recruiter has registered through the website
Basic course of Event	1. Job Seeker or Recruiter has registered through the website 2. GO to the feedback tab from dashboard 3. Enter and submit the feedback
Post- Condition	The developer receives the feedback

Structural View

CLASS DIAGRAM

1. Identify the Classes
    a. User
        i. jobseeker
        ii. Recruiter
        iii. Admin
    b. Feedback
    c. Job
    d. Interview
    e. Result
    f. Resume
2. Identify Attributes
    a. User
        + Full_Name: String
        + username: String
        # password: String
        i. Jobseeker
            +JobSeekerID:int
            -designation: String
            -location:String
            -experience:String
            -email:String
            -mobile:int
            -keyskills: Array
            -projects: Array
            -ITSkills: Array
            -Education:String
            -Certification:String
            -DOB: Date
            /age:int
            -gender: Gender
            -pincode: Int
            -LanguagesKnown: String
        ii. Recruiter
            +RecruiterID: int
            -Company: String
            -Designation: String
            -Location:String
            -email:String
            -mobile:Int
            -gender: Gender
            -DOB : Date
            /age:int
        iii. Admin
    b. Feedback

- message: String
- name: String
- rating: String

c. Job

+JobID:int
-Title:String
-Location:String
-Experience:Int
-Salary:Float
-Description: String
-Role: String
-KeySkills: String
-Vacancy: Boolean
-Recruiter: String
-DateofPosting: Date

d. Interview

+InterviewID:int
-InterviewDate: Date
-Interviewer: String
-Interviewee: Job
-IntervewLcoation

e. Result

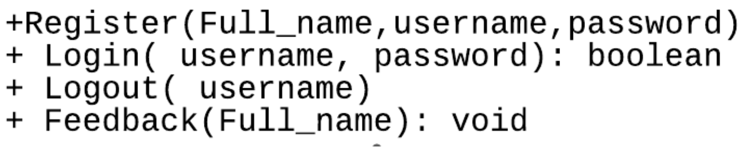
+JobID
+interviewID

f. Resume

+JobSeekerID: int
-ResumeFIle: file

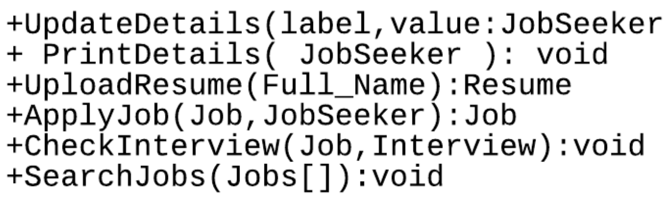
3. Identify functions

a. User



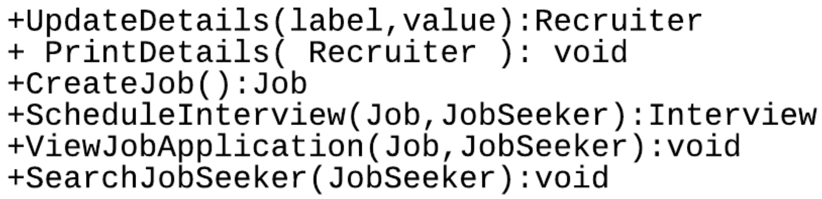
```
+Register(Full_name,username,password)
+ Login( username, password): boolean
+ Logout( username)
+ Feedback(Full_name): void
```

i. jobseeker



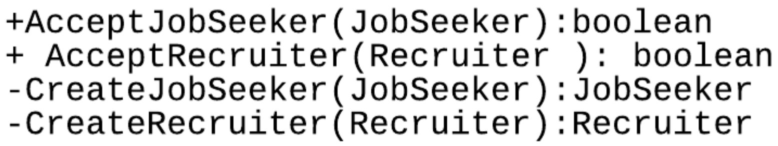
```
+UpdateDetails(label,value:JobSeeker
+ PrintDetails( JobSeeker ): void
+UploadResume(Full_Name):Resume
+ApplyJob(Job,JobSeeker):Job
+CheckInterview(Job,Interview):void
+SearchJobs(Jobs[]):void
```

ii. Recruiter



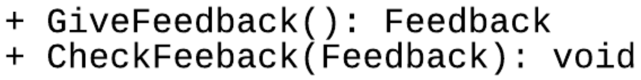
```
+UpdateDetails(label,value):Recruiter
+ PrintDetails( Recruiter ): void
+CreateJob():Job
+ScheduleInterview(Job,JobSeeker):Interview
+ViewJobApplication(Job,JobSeeker):void
+SearchJobSeeker(JobSeeker):void
```

iii. Admin



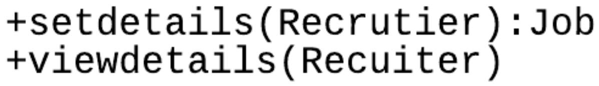
```
+AcceptJobSeeker(JobSeeker):boolean
+ AcceptRecruiter(Recruiter ): boolean
-CreateJobSeeker(JobSeeker):JobSeeker
-CreateRecruiter(Recruiter):Recruiter
```

b. Feedback



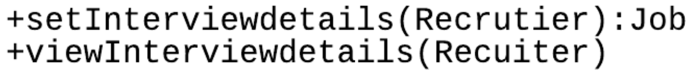
```
+ GiveFeedback(): Feedback
+ CheckFeeback(Feedback): void
```

c. Job



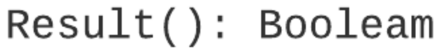
```
+setdetails(Recrutier):Job
+viewdetails(Recuiter)
```

d. Interview



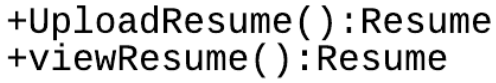
```
+setInterviewdetails(Recrutier):Job
+viewInterviewdetails(Recuiter)
```

e. Result



```
Result(): Booleam
```

f. Resume



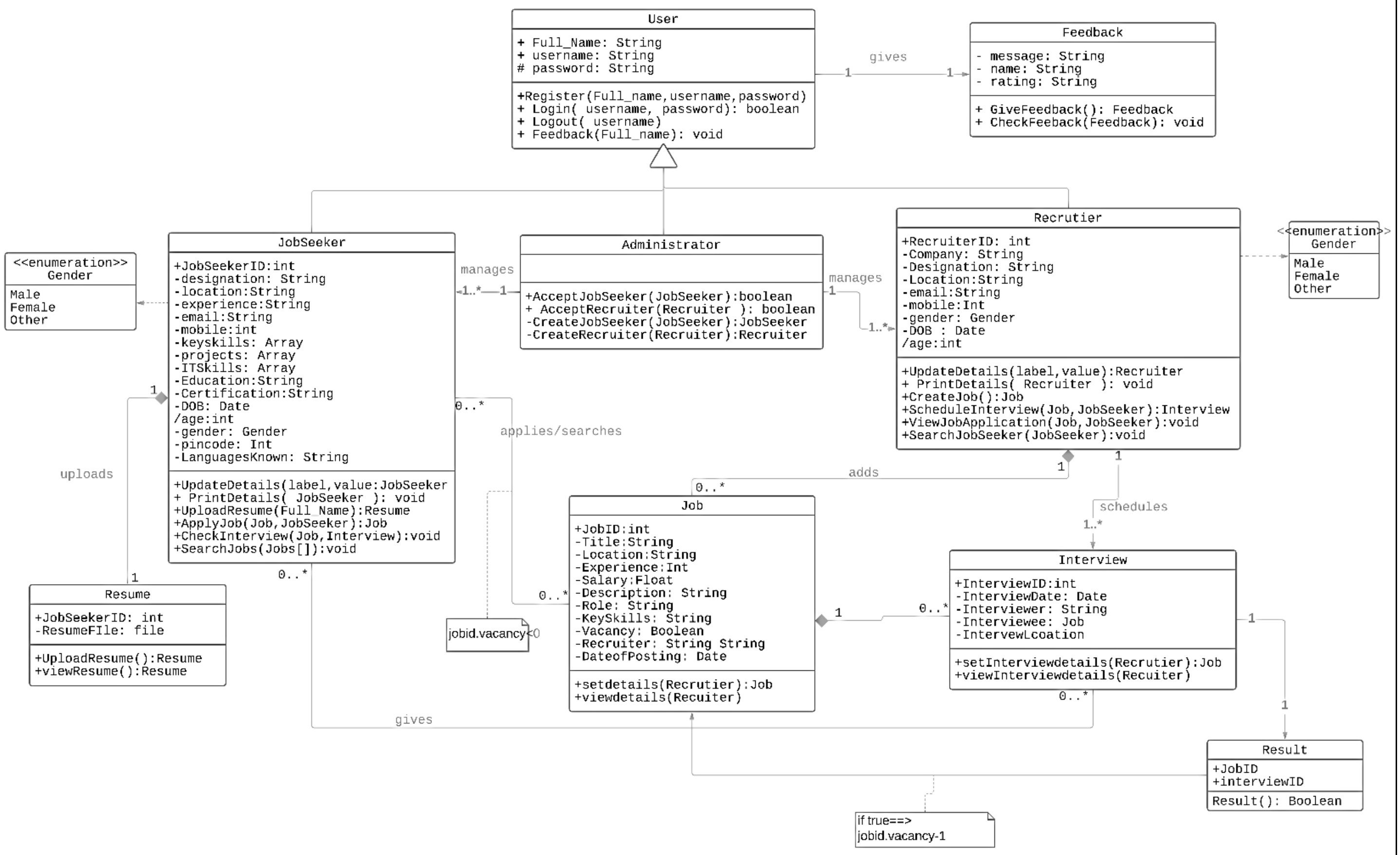
```
+UploadResume():Resume
+viewResume():Resume
```

4. Identify relationships
   1:1
   User gives feedback
   Resume belongs to a jobseeker
   One interview has a result

   1:n
   A recruiter posts many jobs
   A recruiter scehdules many interview
   Admin manages many job seekers
   Admin manages many recruiters
   A job has many interviews

   N:n
   Jobseeker applies/searches for jobs

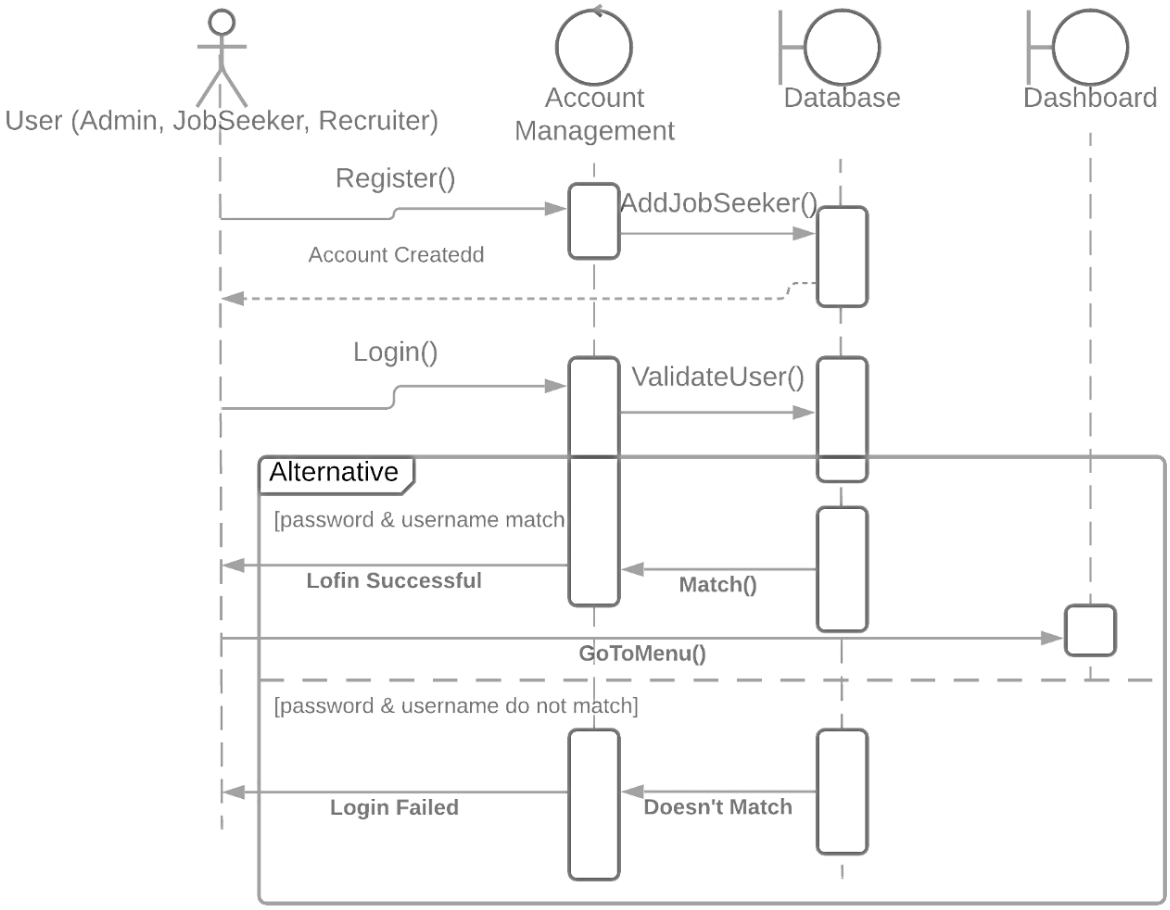
5. Constrain
   Apply Job: precondition: vacancy>0
   After interview if result==true, then c vacancy--;


User
+ Full_Name: String
+ username: String
# password: String
+Register(Full_name,username,password)
+ Login(username, password): boolean
+ Logout(username)
+ Feedback(Full_name): void
gives
1
1
Feedback
- message: String
- name: String
- rating: String
+ GiveFeedback(): Feedback
+ CheckFeeback(Feedback): void
<<enumeration>>
Gender
Male
Female
Other
JobSeeker
+JobSeekerID:int
-designation: String
-location:String
-experience:String
-email:String
-mobile:int
-keyskills: Array
-projects: Array
-ITSkills: Array
-Education:String
-Certification:String
-DOB: Date
/age:int
-gender: Gender
-pincode: Int
-LanguagesKnown: String
+UpdateDetails(label,value:JobSeeker
+ PrintDetails(JobSeeker): void
+UploadResume(Full_Name):Resume
+ApplyJob(Job,JobSeeker):Job
+CheckInterview(Job,Interview):void
+SearchJobs(Jobs[]):void
manages
1..*
1
Administrator
+AcceptJobSeeker(JobSeeker):boolean
+ AcceptRecruiter(Recruiter): boolean
-CreateJobSeeker(JobSeeker):JobSeeker
-CreateRecruiter(Recruiter):Recruiter
manages
1
1..*
Recrutier
+RecruiterID: int
-Company: String
-Designation: String
-Location:String
-email:String
-mobile:Int
-gender: Gender
-DOB : Date
/age:int
+UpdateDetails(label,value):Recruiter
+ PrintDetails(Recruiter): void
+CreateJob():Job
+ScheduleInterview(Job,JobSeeker):Interview
+ViewJobApplication(Job,JobSeeker):void
+SearchJobSeeker(JobSeeker):void
<<enumeration>>
Gender
Male
Female
Other
uploads
1
1
0..*
applies/searches
0..*
adds
1
0..*
1
schedules
1..*
Resume
+JobSeekerID: int
-ResumeFIle: file
+UploadResume():Resume
+viewResume():Resume
0..*
jobid.vacancy<0
Job
+JobID:int
-Title:String
-Location:String
-Experience:Int
-Salary:Float
-Description: String
-Role: String
-KeySkills: String
-Vacancy: Boolean
-Recruiter: String String
-DateofPosting: Date
+setdetails(Recrutier):Job
+viewdetails(Recuiter)
1
0..*
Interview
+InterviewID:int
-InterviewDate: Date
-Interviewer: String
-Interviewee: Job
-IntervewLcoation
+setInterviewdetails(Recrutier):Job
+viewInterviewdetails(Recuiter)
1
1
0..*
gives
Result
+JobID
+interviewID
Result(): Boolean
if true==>
jobid.vacancy-1

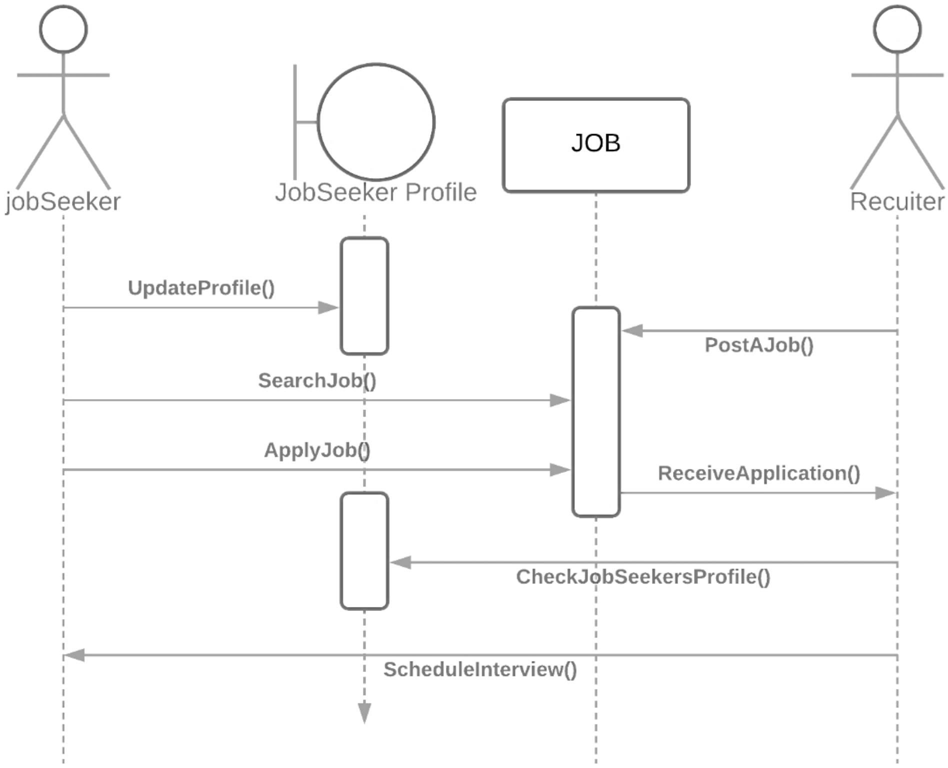
Behavioural View

Sequence Diagram

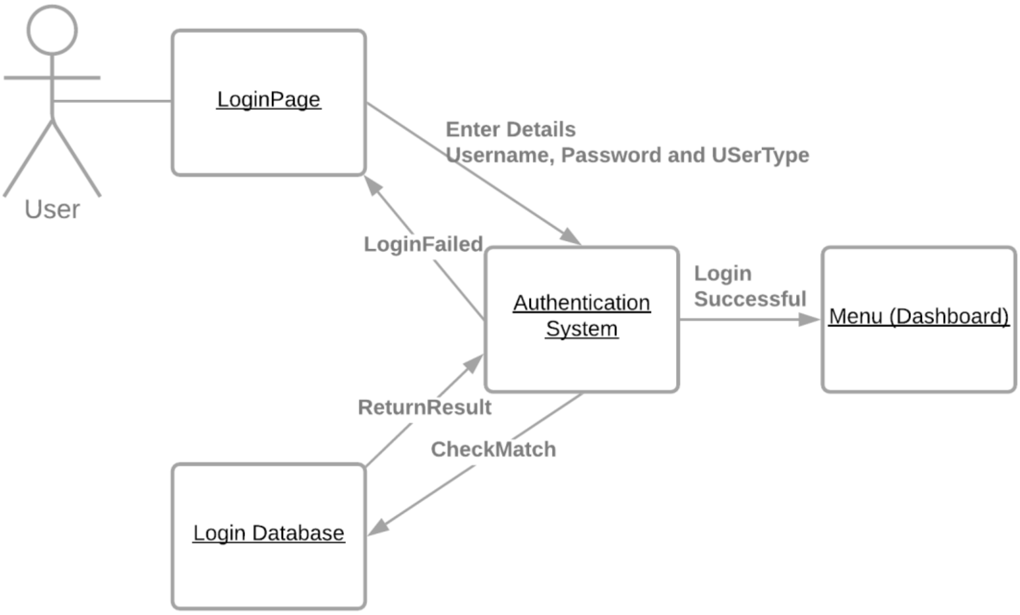
Register and Login



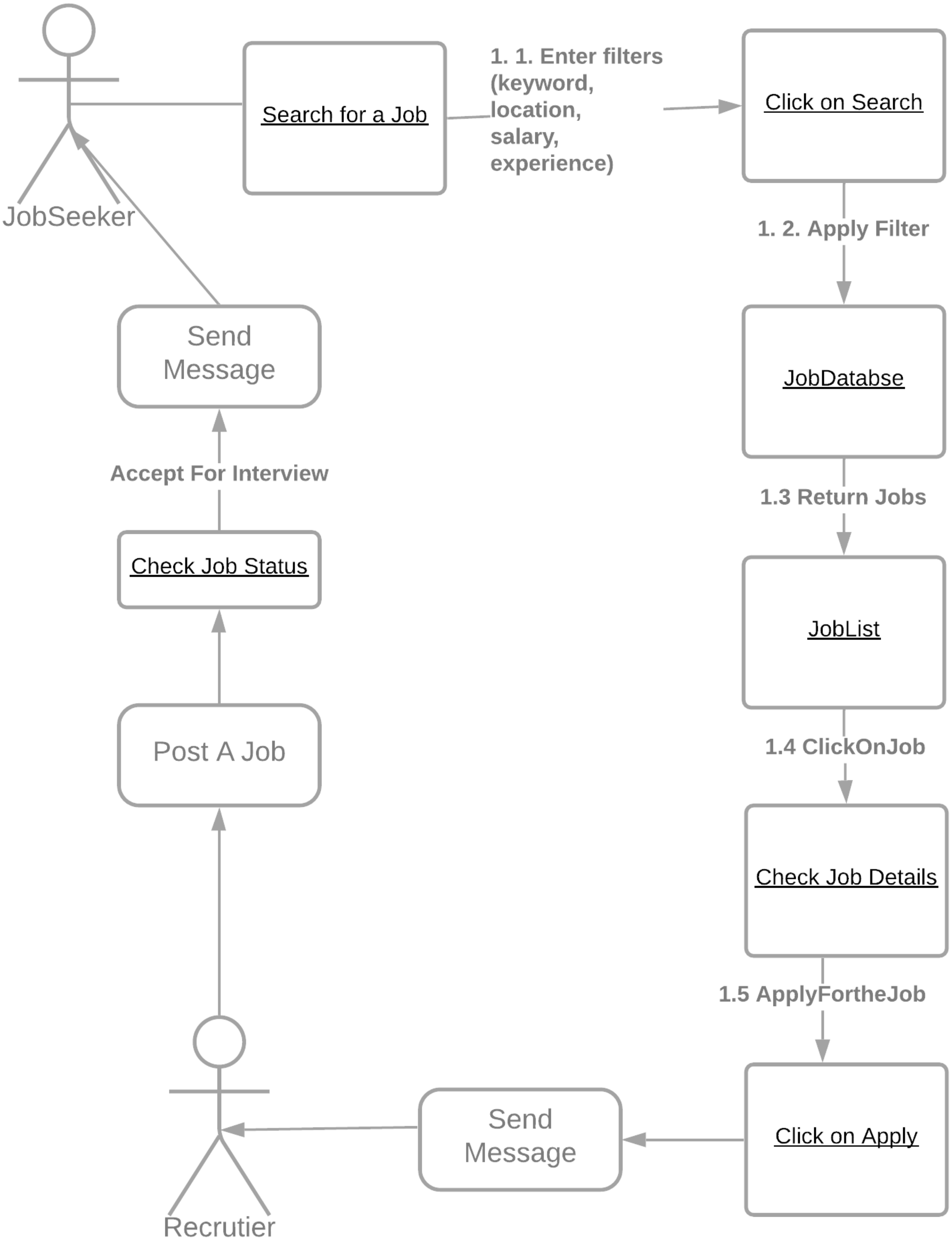
Jobseeker and Recruiter



Collaboration Diagram

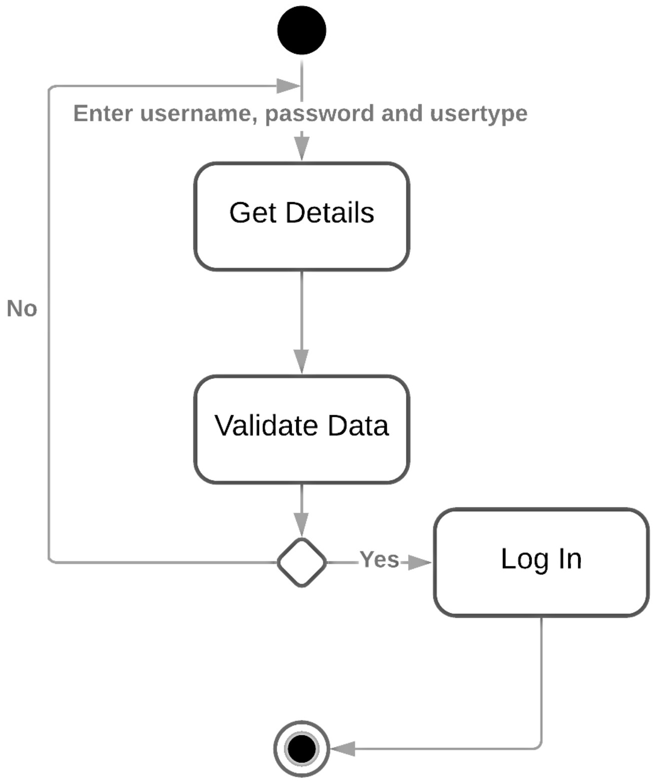


JobSeeker and Recruiter Activity

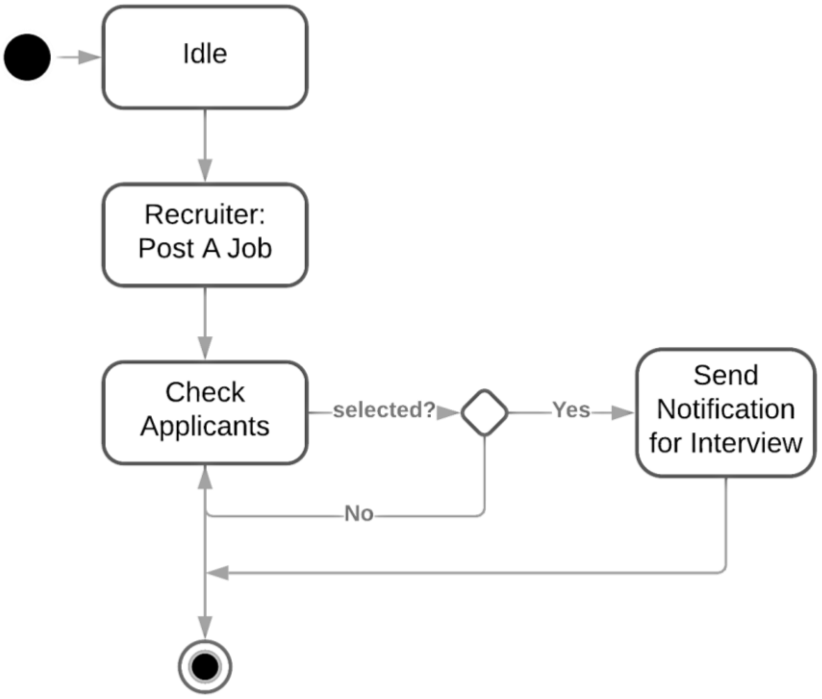


State Chart Diagram

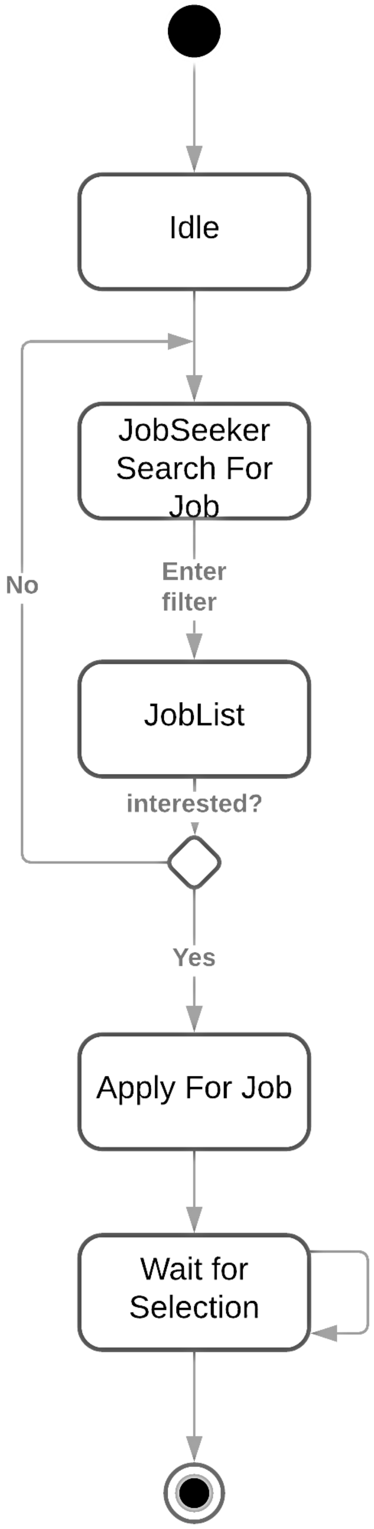
1. Login



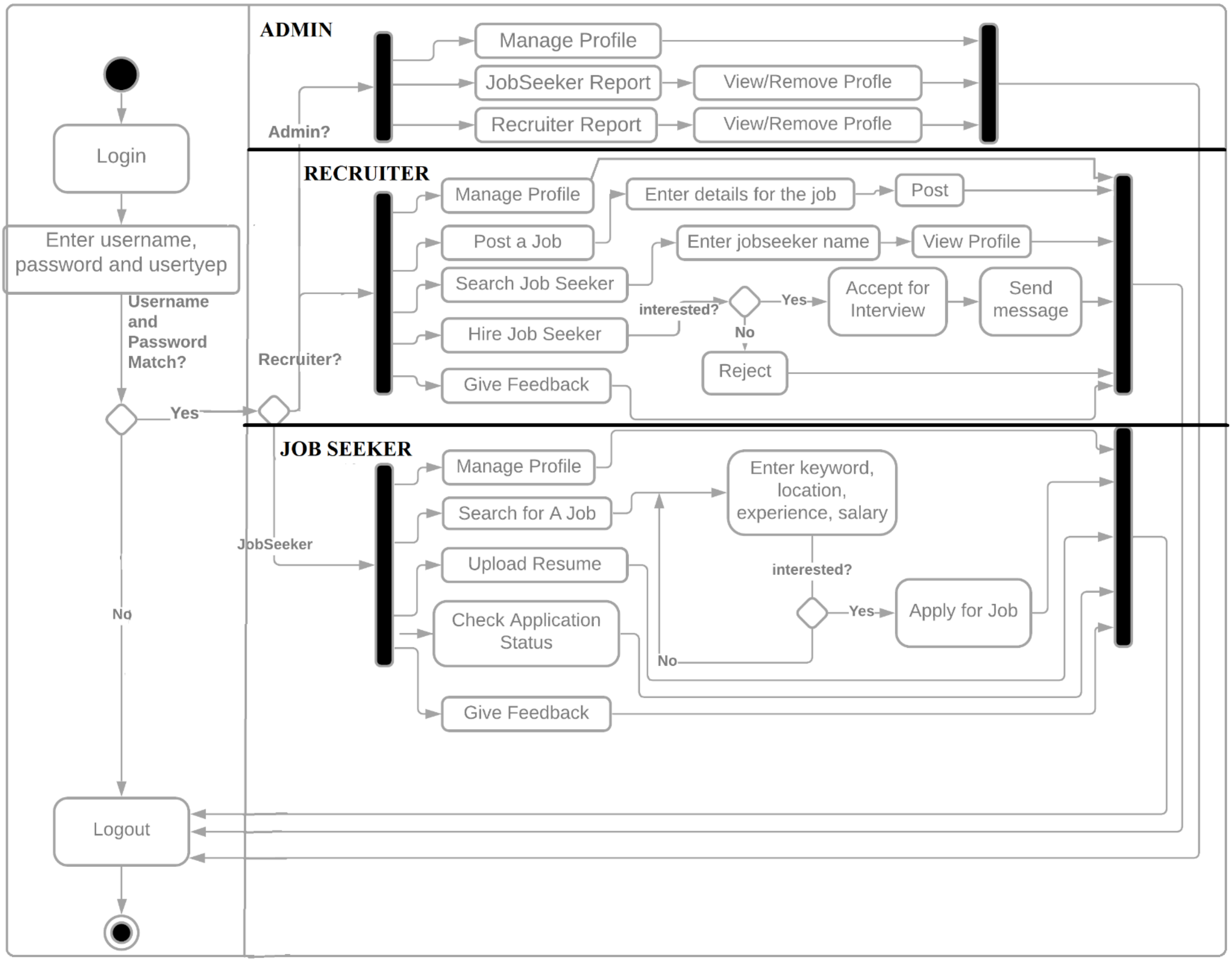
2. Recruiter Activity



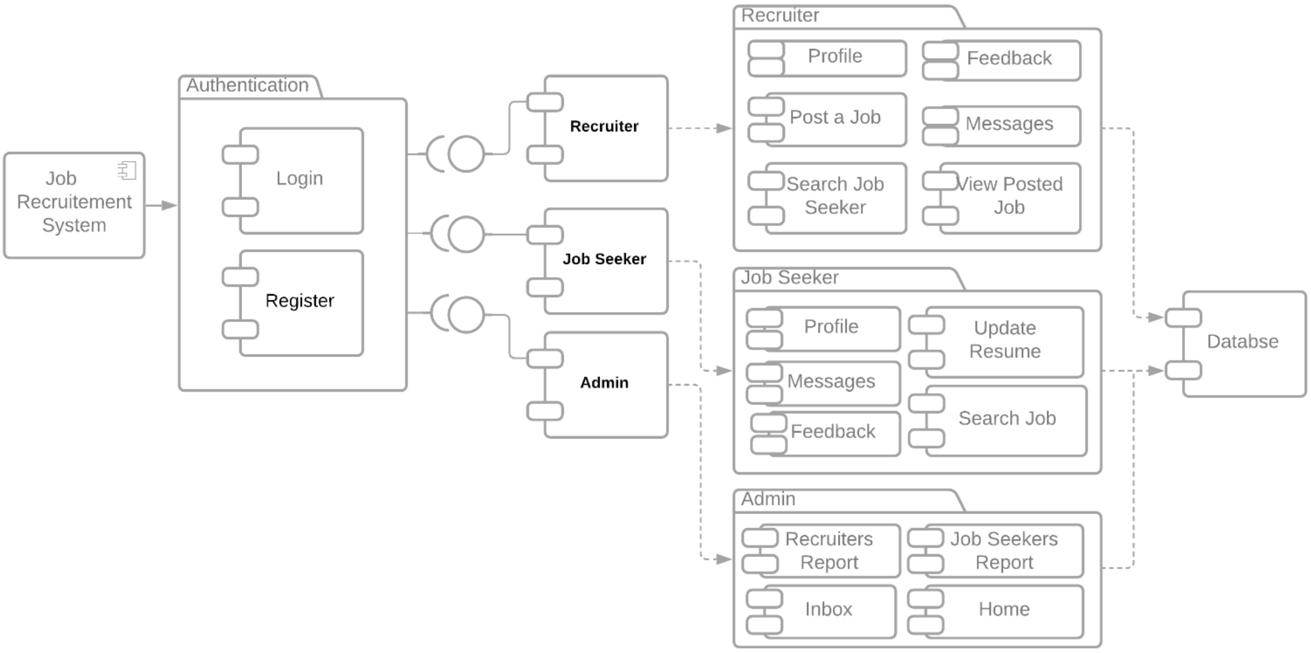
3. JobSeeker Activity



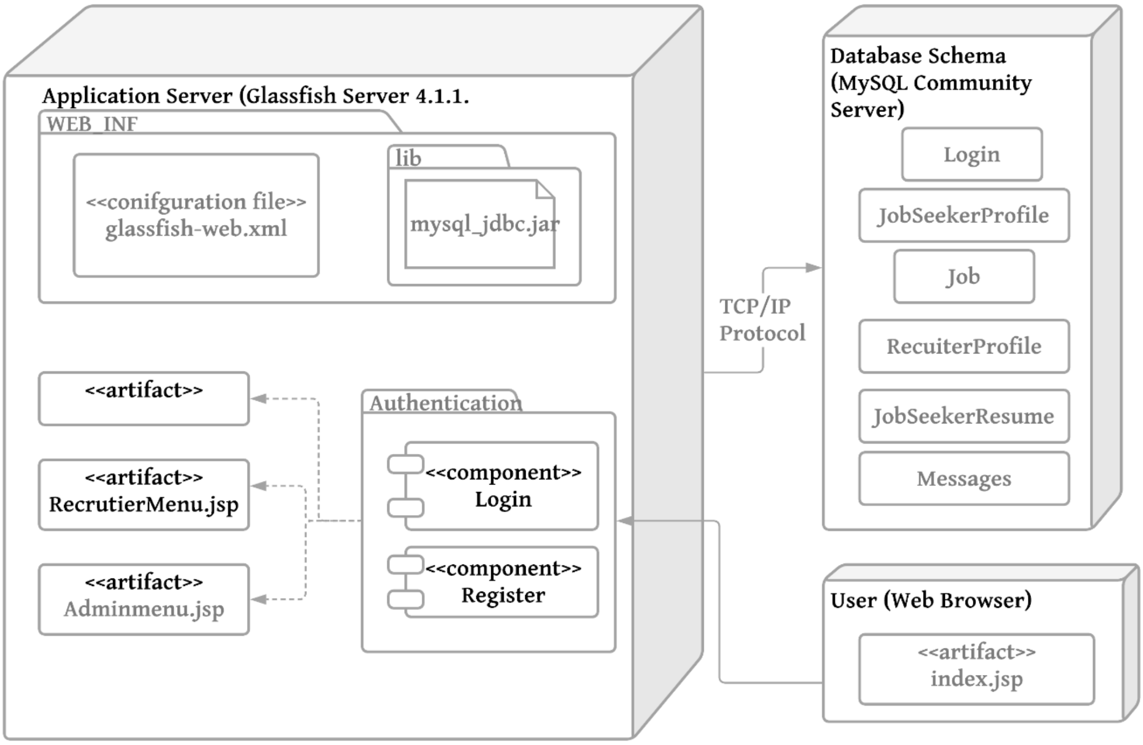
Activity Diagrams



Component Diagram



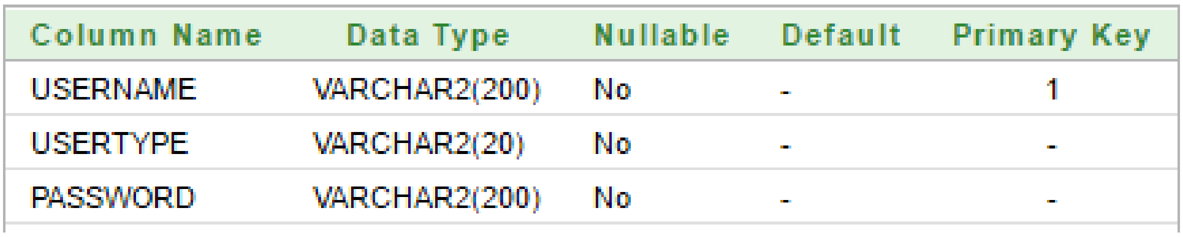
Deployment Diagram



Machine	**Software Configuration**	**Hardware Configuration**	**Operating System**	**Compiler**	**Any other software**	**Software Modules and path**
Client	Google Chrome /Internet Explorer/ any browser with JSP Support		Windows 7 and after	Java	NetBeans,	GUI
Application Server	Sun GlassFish 4.1.1. Server	Sun GlassFish Enterprise Server: 35 MB minimum SDK: 250 MB minimum 1GB Memory	Windows 7 and after, Red Hat, MacOS	HTML, Java, JSP, SQL	Internet Explorer, Chrome, Mozilla, Safari	
Database Server	MySQL Connector/J Driver 5.1		Windwos 7 & after, Unbuntu			tables

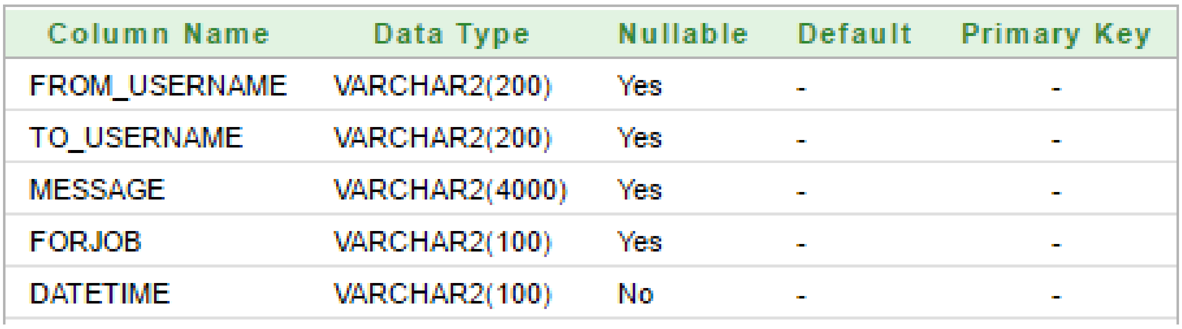
Data Structure

LOGIN



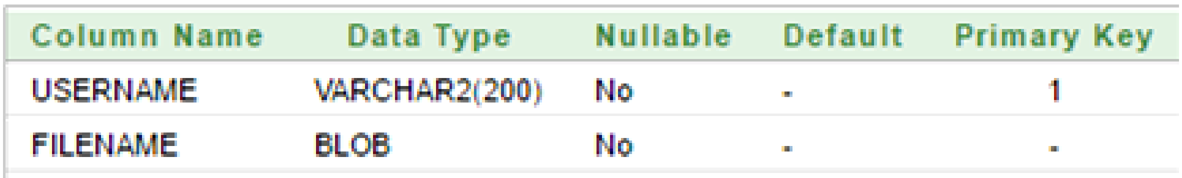
Column Name	Data Type	Nullable	Default	Primary Key
USERNAME	VARCHAR2(200)	No	-	1
USERTYPE	VARCHAR2(20)	No	-	-
PASSWORD	VARCHAR2(200)	No	-	-

MESSAGE



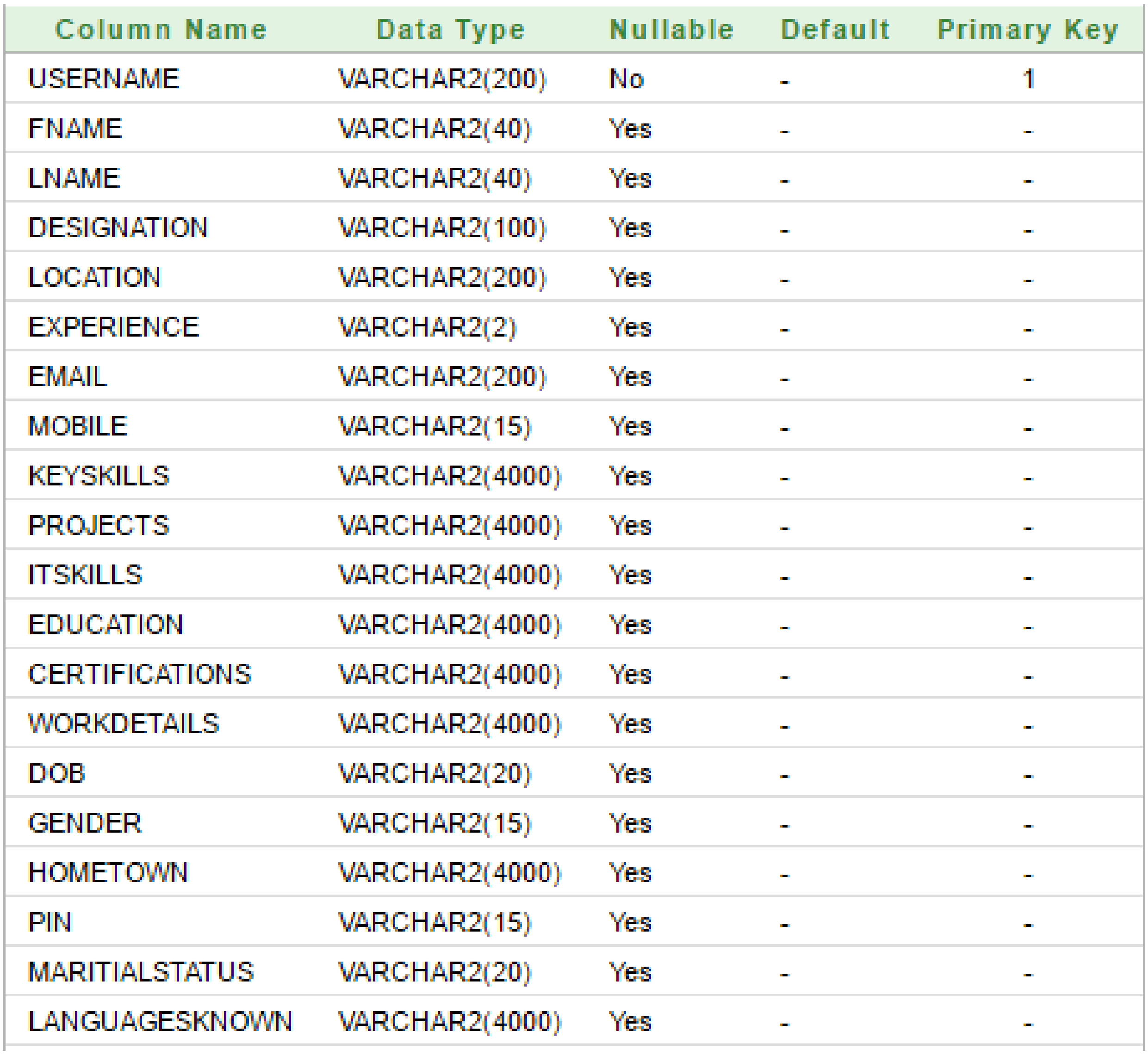
Column Name	Data Type	Nullable	Default	Primary Key
FROM_USERNAME	VARCHAR2(200)	Yes	-	-
TO_USERNAME	VARCHAR2(200)	Yes	-	-
MESSAGE	VARCHAR2(4000)	Yes	-	-
FORJOB	VARCHAR2(100)	Yes	-	-
DATETIME	VARCHAR2(100)	No	-	-

JOBSEEKERRESUME



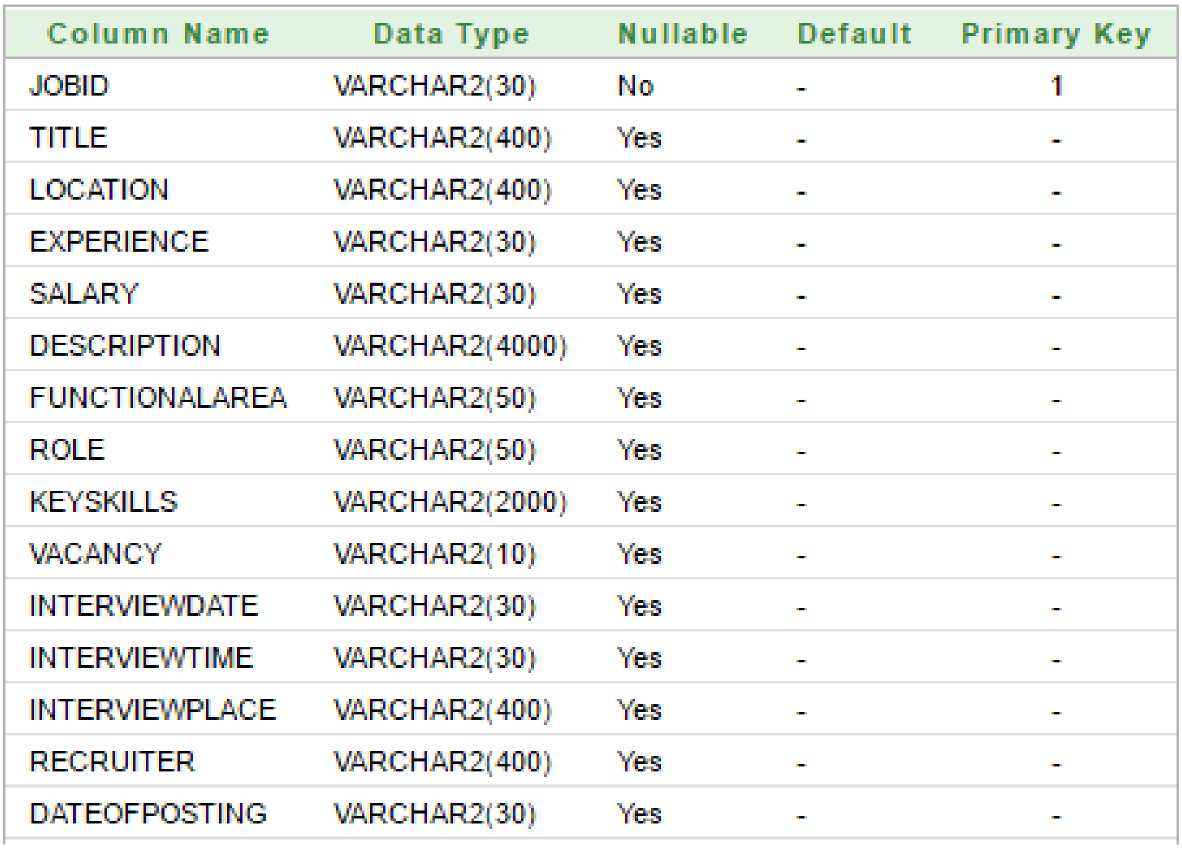
Column Name	Data Type	Nullable	Default	Primary Key
USERNAME	VARCHAR2(200)	No	-	1
FILENAME	BLOB	No	-	-

JOBSEEKERPROFILE



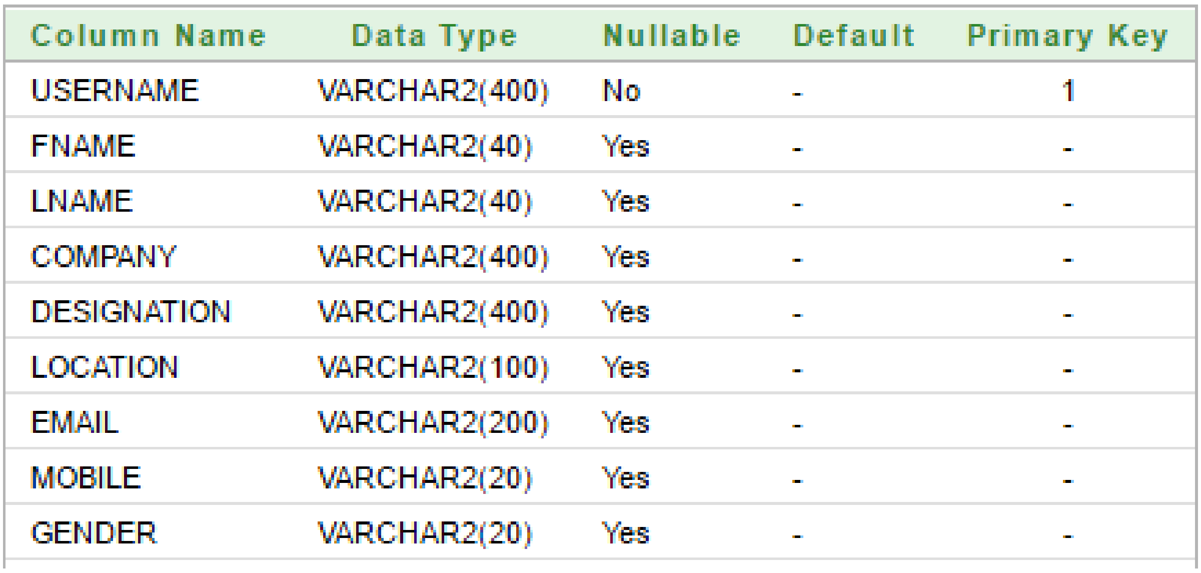
Column Name	Data Type	Nullable	Default	Primary Key
USERNAME	VARCHAR2(200)	No	-	1
FNAME	VARCHAR2(40)	Yes	-	-
LNAME	VARCHAR2(40)	Yes	-	-
DESIGNATION	VARCHAR2(100)	Yes	-	-
LOCATION	VARCHAR2(200)	Yes	-	-
EXPERIENCE	VARCHAR2(2)	Yes	-	-
EMAIL	VARCHAR2(200)	Yes	-	-
MOBILE	VARCHAR2(15)	Yes	-	-
KEYSKILLS	VARCHAR2(4000)	Yes	-	-
PROJECTS	VARCHAR2(4000)	Yes	-	-
ITSKILLS	VARCHAR2(4000)	Yes	-	-
EDUCATION	VARCHAR2(4000)	Yes	-	-
CERTIFICATIONS	VARCHAR2(4000)	Yes	-	-
WORKDETAILS	VARCHAR2(4000)	Yes	-	-
DOB	VARCHAR2(20)	Yes	-	-
GENDER	VARCHAR2(15)	Yes	-	-
HOMETOWN	VARCHAR2(4000)	Yes	-	-
PIN	VARCHAR2(15)	Yes	-	-
MARITIALSTATUS	VARCHAR2(20)	Yes	-	-
LANGUAGESKNOWN	VARCHAR2(4000)	Yes	-	-

JOB



Column Name	Data Type	Nullable	Default	Primary Key
JOBID	VARCHAR2(30)	No	-	1
TITLE	VARCHAR2(400)	Yes	-	-
LOCATION	VARCHAR2(400)	Yes	-	-
EXPERIENCE	VARCHAR2(30)	Yes	-	-
SALARY	VARCHAR2(30)	Yes	-	-
DESCRIPTION	VARCHAR2(4000)	Yes	-	-
FUNCTIONALAREA	VARCHAR2(50)	Yes	-	-
ROLE	VARCHAR2(50)	Yes	-	-
KEYSKILLS	VARCHAR2(2000)	Yes	-	-
VACANCY	VARCHAR2(10)	Yes	-	-
INTERVIEWDATE	VARCHAR2(30)	Yes	-	-
INTERVIEWTIME	VARCHAR2(30)	Yes	-	-
INTERVIEWPLACE	VARCHAR2(400)	Yes	-	-
RECRUITER	VARCHAR2(400)	Yes	-	-
DATEOFPOSTING	VARCHAR2(30)	Yes	-	-

RECRUITERPROFILE



Column Name	Data Type	Nullable	Default	Primary Key
USERNAME	VARCHAR2(400)	No	-	1
FNAME	VARCHAR2(40)	Yes	-	-
LNAME	VARCHAR2(40)	Yes	-	-
COMPANY	VARCHAR2(400)	Yes	-	-
DESIGNATION	VARCHAR2(400)	Yes	-	-
LOCATION	VARCHAR2(100)	Yes	-	-
EMAIL	VARCHAR2(200)	Yes	-	-
MOBILE	VARCHAR2(20)	Yes	-	-
GENDER	VARCHAR2(20)	Yes	-	-

ALGORITHM DESIGN

7. Use Case: Registration

Name	Register
Summary	A new user (a user which doesn't have an account) should first register into the system to use it. This feature will allow the user to enroll into the system if the user is a new user and doesn't already have an existing account.
Rationale	The user can access the system
Actor	Job Seeker and Recruiter
Pre-Condition	None
Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI the registration. 3. User enters the valid details required to join the system 4. Submits the form
Post- Condition	User is registered
Alternate Flow	User goes back to the Login Page
Exception	Username already taken

Algorithm:

Input: username, password, usertype;

Output: user added to the system

Pseudo Code:

```
1. Start
2. Go to Registration Page
3. Enter the username and usertype
4. Enter password and confirm password
5. If username!=NULL && usertype!=NULL &&password!=NULL &&
   confirm_password!=NULL then
     i. If password==confirm_password
          1. If username already exists in table then enter another username
          2. Else: Enter the entry into login table of database
     i. Else
          a. Alert: Password and confirm password do not match
          b. Try again
6. Else:
   a. The field is required, do not leave it empty
```

8. *Use Case: Login*

Name	Login
Summary	Job seeker can change information into their profiles which include profile edit, delete, and update.
Rationale	After registration of the user, the valid user can login into the system
Actor	All Users
Pre-Condition	The login name and password should match with the login name and password provided while registering. If the username and or password do not match, the user cannot login successfully into the system.
Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI the login form 3. The user writes its username, password and type 4. If valid, user can login into the system. If the username and or password do not match, the user cannot login successfully into the system.
Post- Condition	User goes to his/her dashboard
Alternate Flow	1. The username and password is blank 2. The type of user is not specified 3. The username and password do not match

Algorithm:

Input: username, password, usertype;

Output: allow/denied access to home page

Pseudo Code:

```
1. Start
2. Login Page open
3. Enter the username, password, type input
4. If password==NULL | username==NULL|| type==NULL
   a. The field is required
5. Retrieve the entry from database for the given username
   a. If username=username(database) && password=password(database)&&
      type=usertype
   b. Go to Dashboard
6. Else
   a. Alert: Invalid entry, please try again
End
```

9. Use Case: Manage Profile

Name	Manage Profile
Summary	User can change information into their profiles which include profile edit, delete, and update.
Rationale	If there is unnecessary date and fake profiles that are running on the site then Admin will have rights to remove or delete the profile.
Actor	All Users
Pre-Condition	Profile and record must exist
Basic course of Event	1. User opens the desired module of the system. 2. The system displays GUI of different pages. 3. User will input the necessary data into the fields. 4. System will update the record as per requirements.
Post- Condition	User receives the notification that profile has been approved or profile has been updated.
Alternate Condition	The details enter to not validate, e.g. age is <18, date of bitrth is out of range.

Algorithm:

Pseudo Code:

```
1. Start
2. Go to Profile section
3. Click on edit
4. Update the sections you want
5. Click Update
6. End
```

10. *Use Case: Upload CV*

Name	Upload CV
Summary	Job seeker can post his/her CV on job portal
Actor	Job seeker
Pre-Condition	New Jobs and other features should be displayed.
Basic course of Event	5. Job seeker search for a specific job category. 6. The system displays GUI for the new jobs and features. 7. Job seeker clicks on the new jobs option and upload his/her CV there. 8. System will show all the CV on the admin and job seeker end.
Post- Condition	CV successfully uploaded.
Alternate Flow	11. The type of file uploaded does not match the required file type 12. The size of file is more than the maximum available size

Algorithm:

Pseudo Code:

```
1. Start
2. Go to Upload Resume section
3. Click on choose file
4. Choose the file from your computer
5. Click on Upload
6. End
```

5. *Use Case: Apply/Search for Job*

Name	Search/Apply Jobs
Summary	Job seeker can search for jobs related to his interest using filters, if interested he can apply for the job
Rationale	Job Seeker is searching for a job
Actor	Job Seeker
Pre-Condition	Job Seeker must have an account
Basic course of Event	1. Jobseeker access the required page to search the job. 2. System will show the appropriate GUI for searching and filtering the jobs 3. Job Seeker will fill all the required fields and describe the category and type of a job. 4. If, he/she is interested he will Apply for the job
Post-Condition	Apply for the job and wait for Interview notification.
Alternate Flow	1. The search criteria entered has no jobs listed

Algorithm:

Input: keyword, location, experience, expected salary

Output: List of Mathing Jobs

Pseudo Code:

```
1.  Prompt the user for search query
2.  Check whether entry is valid or not
3.  If entry is invalid
      a. Then Information to the user & prompt again for entry
4.  Else
      a. check with database
      b. Show list of jobs
      c. Select the job of your choice
      d. The details of the same will be displayed
      e. Apply for the job
      f. If vacancy>0
              i. Successfully Applied
      g. Else
              i. Alert: “No vacancy, search other jobs”
5.  End
```

6. *Use Case: Job Application Status*

Name	Job application status
Summary	Job seeker can check its status either their application is accepted.
Rationale	If their application is accepted and rejected, then they must know about the status, so that they can further proceed.
Actor	Job seeker
Pre-Condition	Job should have been applied for
Basic course of Event	1. The job seeker login to system and check status of his application 2. The system displays GUI for the job application page. 3. Job seeker clicks on the page and check its status. 4. System will show all the results regarding their post on the jobs.
Post- Condition	Result successfully shown to the job seeker

Algorithm:

Pseudo Code:

```
1. Start
2. Go to messages tab
3. Check for the application status
4. End
```

7. *Use Case: Post jobs*

Name	Post Jobs
Summary	Recruiter can post the job
Rationale	Recruiter wants to find the right employees for specific job.
Actor	Recruiter
Pre-Condition	Recruiter must have a task and reasonable price for that task
Basic course of Event	1. Recruiter access the required page to post the job. 2. System will show the appropriate GUI for posting the project. 3. Recruiter will fill all the required fields and describe the category and type of a project. 4. System will post the job.
Post- Condition	Anyone can see the posted job and apply for it after registration.
Alternate Flow	1. The job details are not sufficient enough to be posted

Algorithm:

Pseudo Code:

```
1. Start
2. Go to Post a Job Tab
    a. Initialize: JobID
    b. Initialize: Title
    c. Initialize: Location
    d. Initialize: Experience
    e. Initialize: Salary
    f. Initialize: Description
    g. Initialize: Role
    h. Initialize: KeySkills
    i. Initialize: Vacancy
    j. Initialize: Recruiter
    k. Initialize: DateofPosting
3. Click on Post Job
4. End
```

8. Use Case: View Job seeker profile

Name	View Job seeker profile
Summary	Recruiter can search the job seeker by name and can view the whole portfolio of job seeker.
Rationale	If a Recruiter has a job then he can search the job seeker and see entire profile of all employees or jobseekers.
Actor	Recruiter
Pre-Condition	Recruiter must be existing in a list and Job Seeker has applied for the Job
Basic course of Event	1. The user indicates that the system is to perform a search function. 2. System responds by the requesting the search term and shows the results. 3. System will show the entire job seeker in a relevant field in which Recruiter wants.
Post- Condition	Recruiter can see whole information about the job seeker.

Algorithm:

Pseudo Code:

```
1. Start
2. Go to Search Jobseeker tab
3. Enter the name of jobseeker
4. If no entry
   a. Display: No such job seeker
5. Else
   b. From the list of searches, chose the one you want to view profile of
6. End
```

9. *Use Case: Hire Jobseeker*

Name	Hire Job seeker
Summary	Recruiter can hire the employee for a specific job required
Rationale	Recruiter has a job and wants to search the employee for the project if found, Recruiter will hire schedule the interview.
Actor	Recruiter
Pre-Condition	Recruiter should have posted a job.
Basic course of Event	1. The user indicates that the system is to perform a search function. 2. System responds by the requesting the search term and shows the results 3. System will show the entire list of job seeker. 4. System will send the interview notification to the job seeker.
Post- Condition	Job seeker will receive the notification that he or she has been asked for interview.

Algorithm:

Pseudo Code:

```
1. Start
2. Go to Messages tab
3. Check the list of applications
4. Accept the one, you want
5. End
```

10. Use Case: Handle Users

Name	Handle Users
Summary	Admin can view all the user’s proceedings.
Rationale	If admin wants to job seeker and recruiter to be added to the system or denied.
Actor	Admin
Pre-Condition	Job Seeker or Recruiter has registered through the website
Basic course of Event	1. Job Seeker or Recruiter has registered through the website 2. Admin verifies the details and credentials of the user 3. If valid, he admits them into the system, else removes them
Post- Condition	Job Seeker and Recruiter’s account will be created

Algorithm:

Pseudo Code:

```
1. Start
2. Login as Admin
3. Go to Jobseeker Report
   a. View or Remove Job Seeker
4. Go to Recruiter Report
   a. View or Remove Job Seeker
5. End
```

11. Use Case: Feedback

Name	Feedback
Summary	To get a feedback from the user of the system
Rationale	To improve the system and understand the bugs
Actor	Recruiter and Job Seeker
Pre-Condition	Job Seeker or Recruiter has registered through the website
Basic course of Event	1. Job Seeker or Recruiter has registered through the website 2. GO to the feedback tab from dashboard 3. Enter and submit the feedback
Post- Condition	The developer receives the feedback

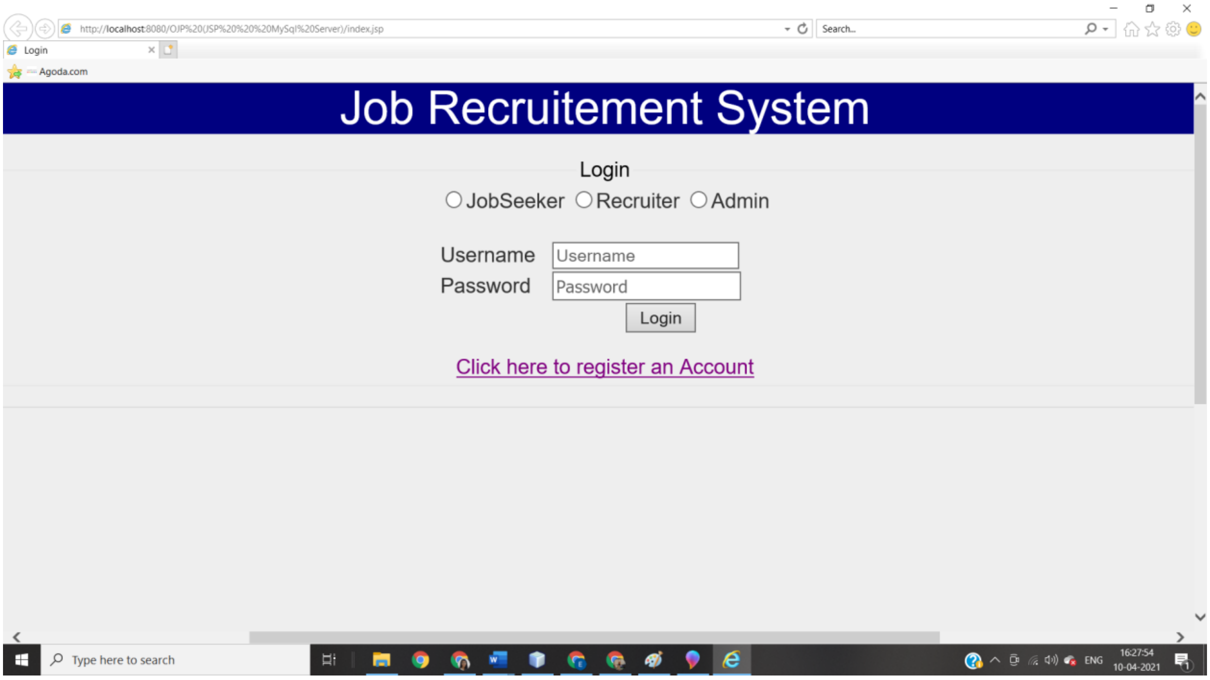
Algorithm:

Pseudo Code:

```
1. Start
2. Go to feedback section
3. Enter username, email, feedback
4. Click Send
5. End
```

GUI DESIGN

1. Login



http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/index.jsp
Search...
Login
Agoda.com
Type here to search
16:27:54
10-04-2021

Job Recruitement System

Login

○ JobSeeker ○ Recruiter ○ Admin

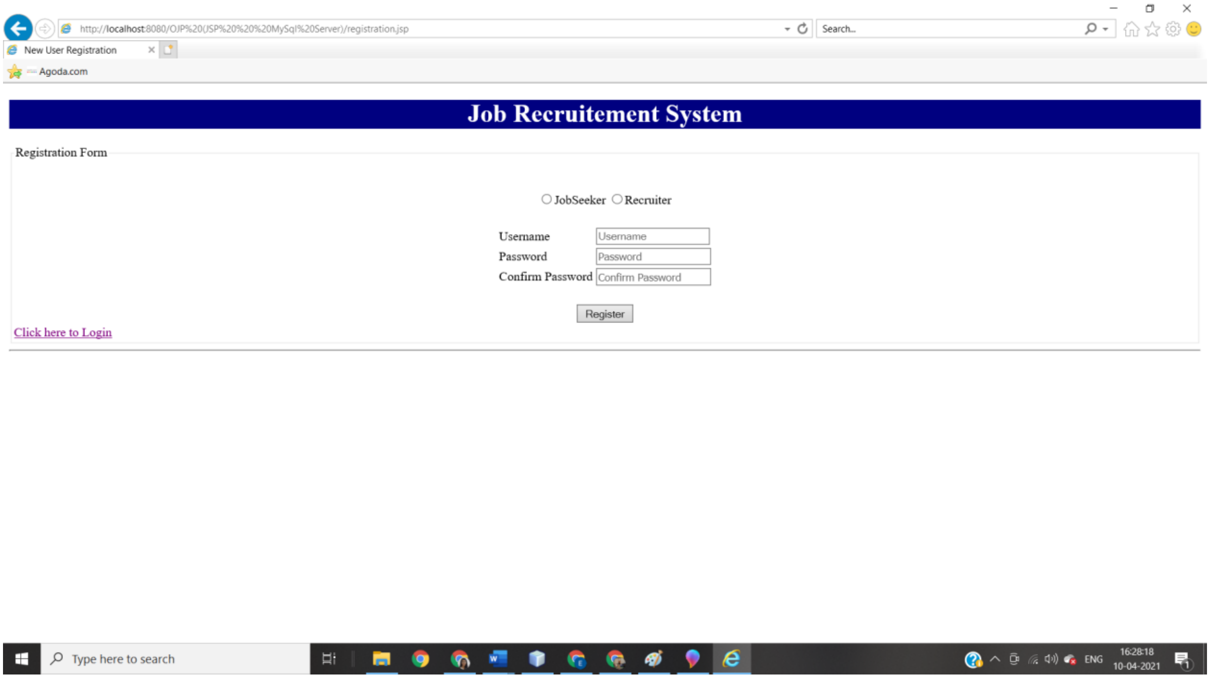
Username [Username]

Password [Password]

[Login]

Click here to register an Account

2. Register



Job Recruitement System

Registration Form

○ JobSeeker ○ Recruiter

Username [Username]

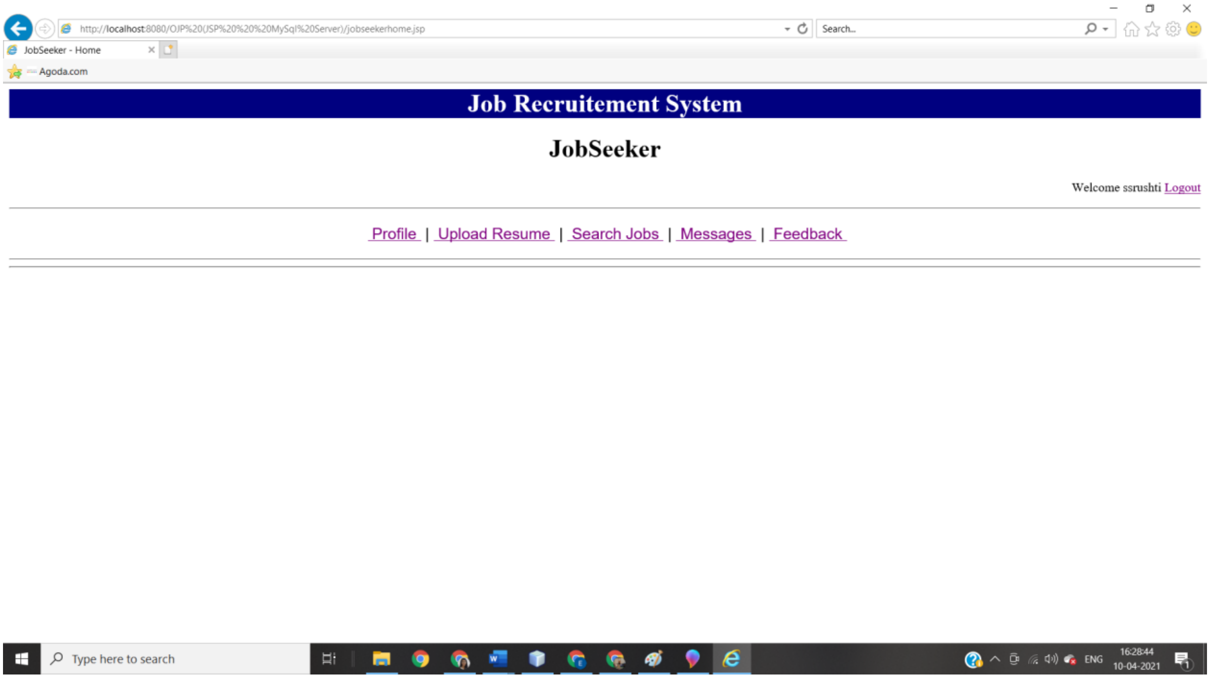
Password [Password]

Confirm Password [Confirm Password]

[Register]

Click here to Login

3. JobSeeker Dahsboard



http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekerhome.jsp
Search...
JobSeeker - Home
Agoda.com
Type here to search
ENG
16:28:44
10-04-2021

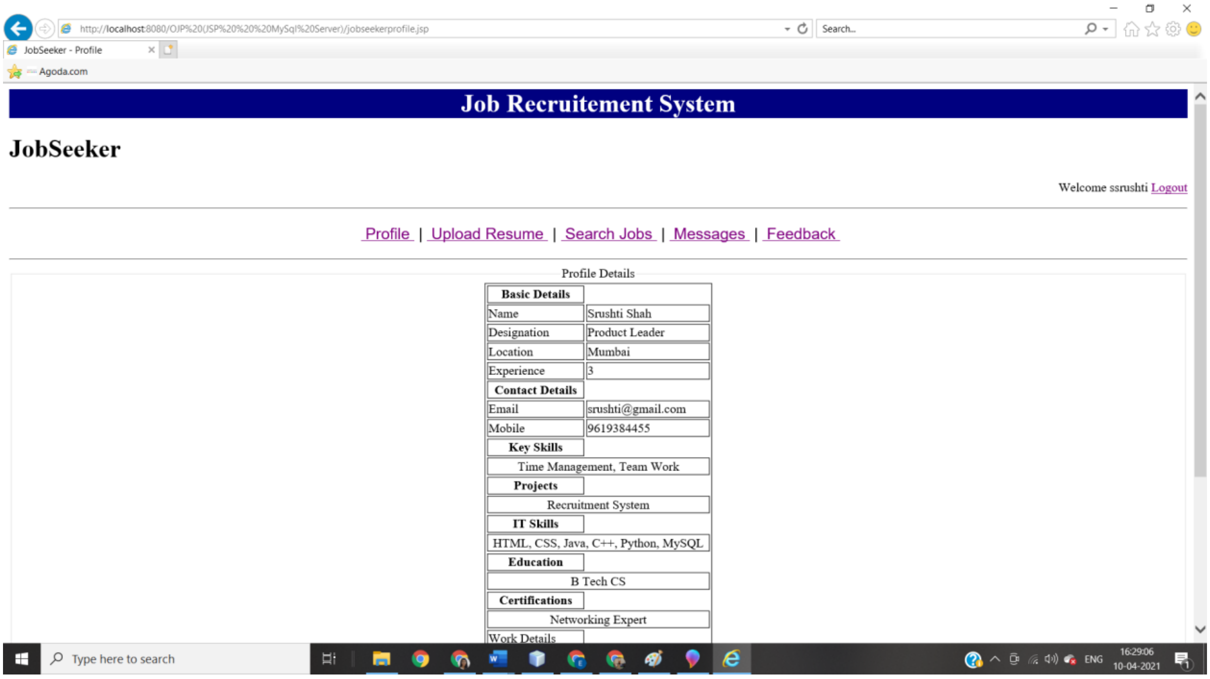
Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Profile | Upload Resume | Search Jobs | Messages | Feedback

4. Job seeker profile



http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekerprofile.jsp
Search...
JobSeeker - Profile
Agoda.com
Type here to search
ENG
16:29:06
10-04-2021

Job Recruitement System

JobSeeker

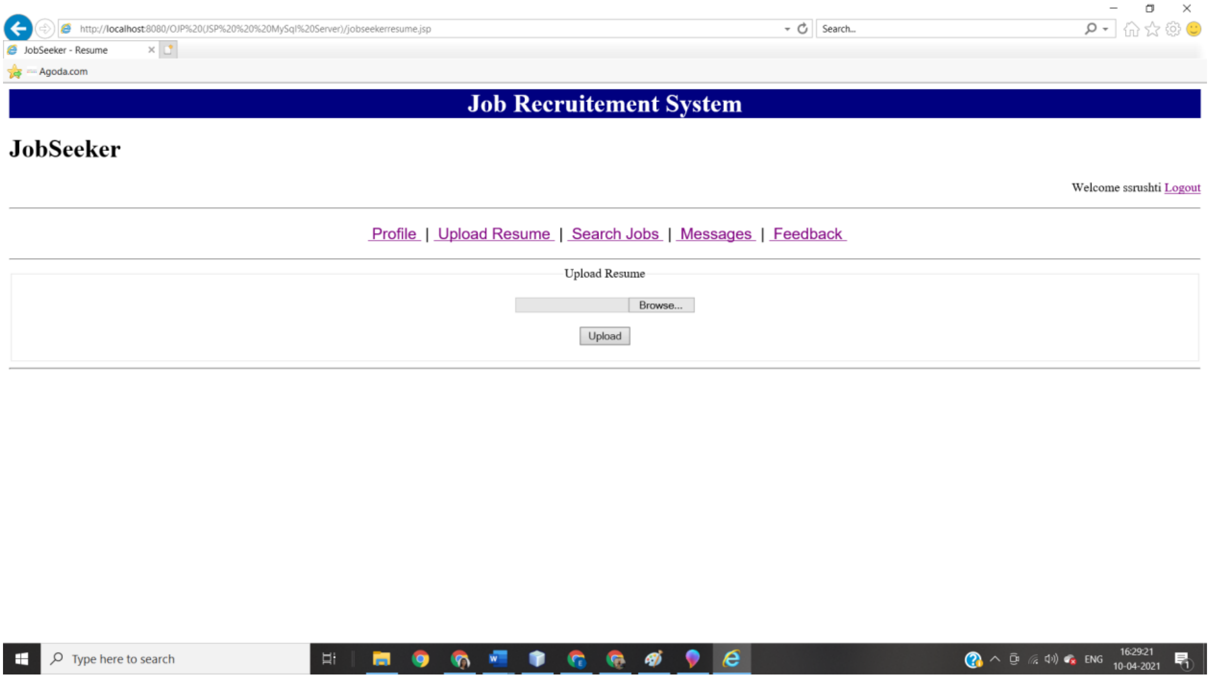
Welcome ssrushti Logout

Profile | Upload Resume | Search Jobs | Messages | Feedback

Profile Details

Basic Details	
Name	Srushti Shah
Designation	Product Leader
Location	Mumbai
Experience	3
Contact Details	
Email	srushti@gmail.com
Mobile	9619384455
Key Skills	
Time Management, Team Work	
Projects	
Recruitment System	
IT Skills	
HTML, CSS, Java, C++, Python, MySQL	
Education	
B Tech CS	
Certifications	
Networking Expert	
Work Details	

5. Upload Resume


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekerresume.jsp
JobSeeker - Resume
Agoda.com
Profile | Upload Resume | Search Jobs | Messages | Feedback
Browse...
Upload
Type here to search
16:29:21
10-04-2021

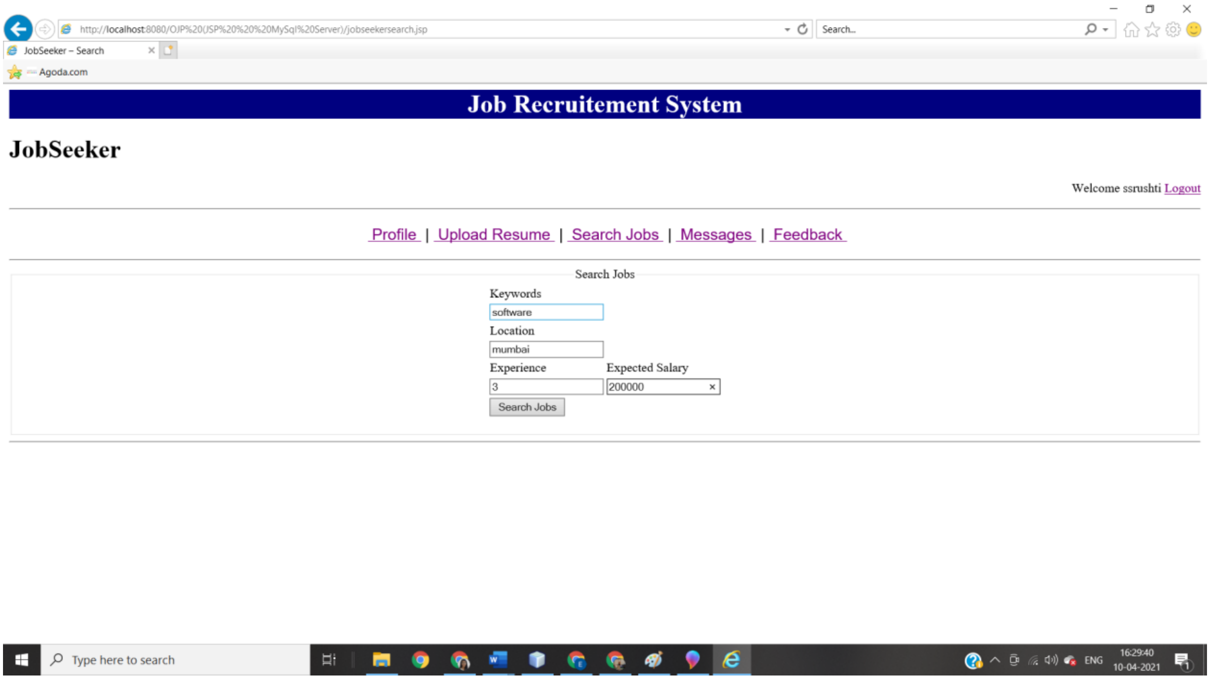
Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Upload Resume

6. Search job


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekersearch.jsp
JobSeeker – Search
Agoda.com
Profile | Upload Resume | Search Jobs | Messages | Feedback
Search Jobs
Type here to search
16:29:40
10-04-2021

Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Search Jobs

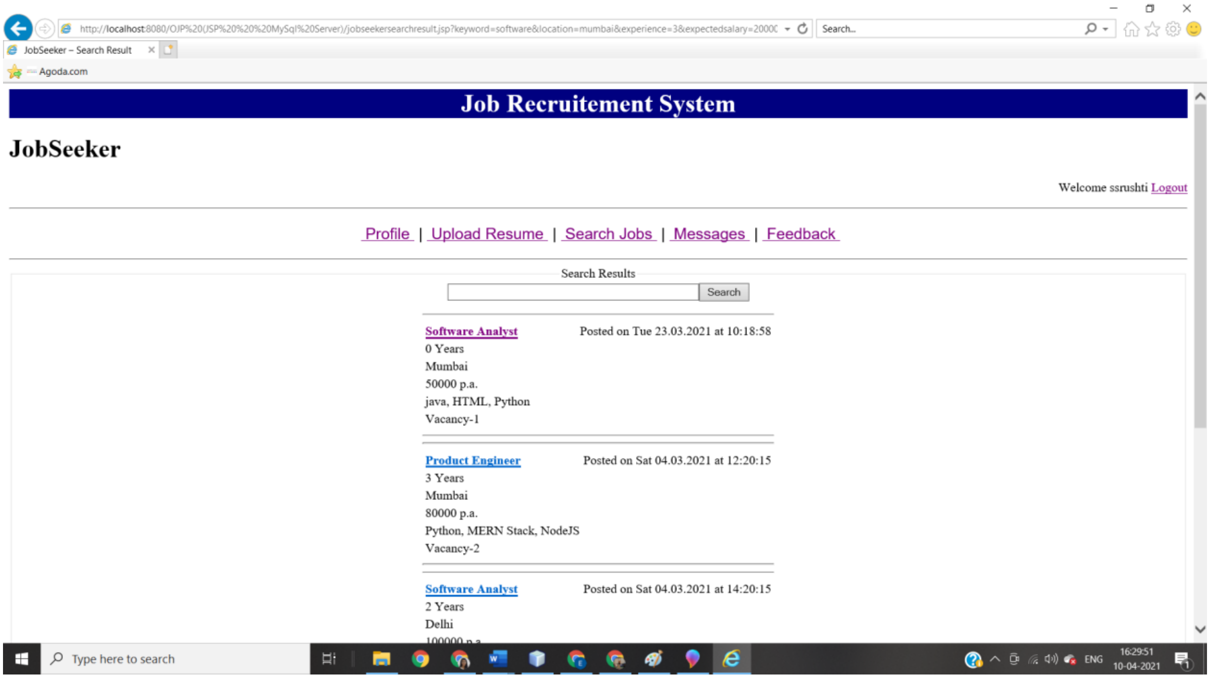
Keywords: software

Location: mumbai

Experience: 3

Expected Salary: 200000

7. Search Job result


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekersearchresult.jsp?keyword=software&location=mumbai&experience=3&expectedsalary=2000C
Search...
JobSeeker – Search Result
Agoda.com
Type here to search
ENG
16:29:51
10-04-2021

Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Profile | Upload Resume | Search Jobs | Messages | Feedback

Search Results

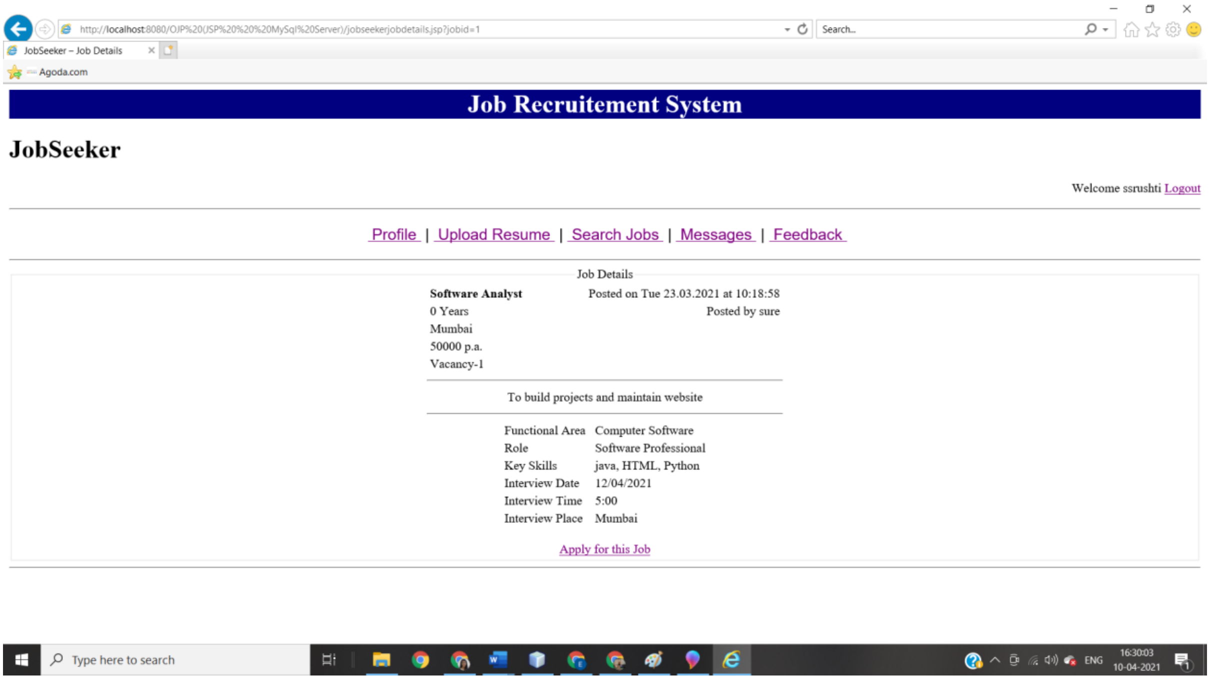
Search

Software Analyst Posted on Tue 23.03.2021 at 10:18:58
0 Years
Mumbai
50000 p.a.
java, HTML, Python
Vacancy-1

Product Engineer Posted on Sat 04.03.2021 at 12:20:15
3 Years
Mumbai
80000 p.a.
Python, MERN Stack, NodeJS
Vacancy-2

Software Analyst Posted on Sat 04.03.2021 at 14:20:15
2 Years
Delhi
100000 p.a.

8. Apply for job


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekerjobdetails.jsp?jobid=1
Search...
JobSeeker – Job Details
Agoda.com
Type here to search
ENG
16:30:03
10-04-2021

Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Profile | Upload Resume | Search Jobs | Messages | Feedback

Job Details

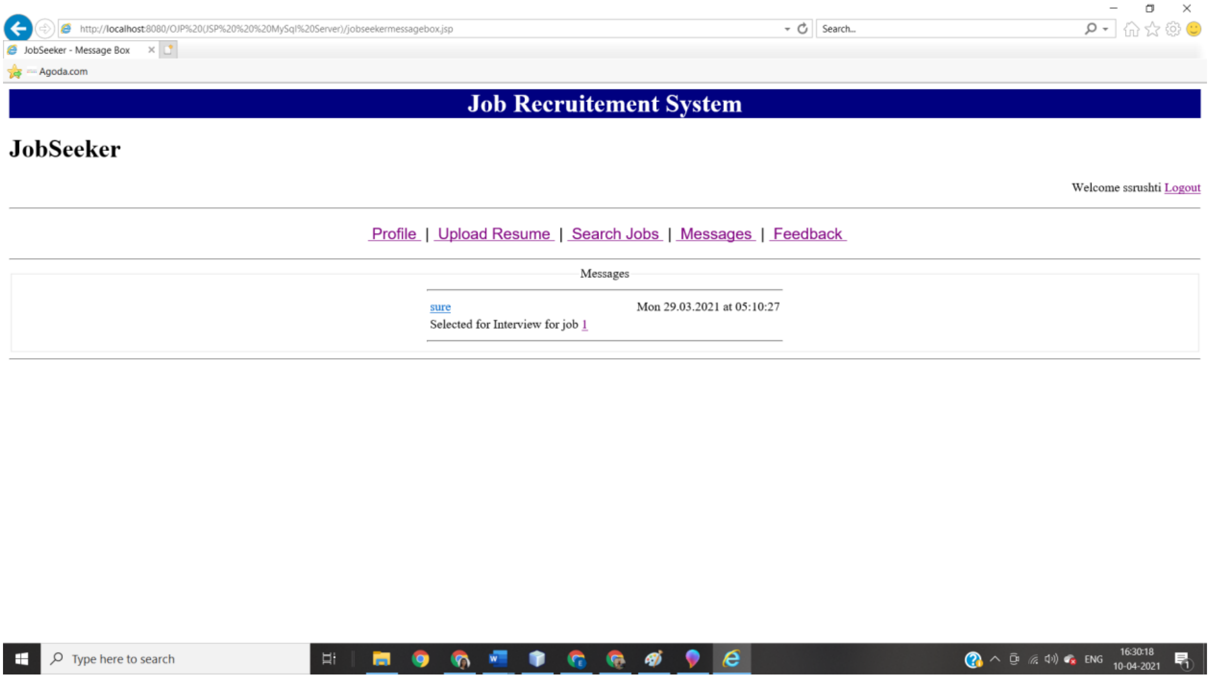
Software Analyst Posted on Tue 23.03.2021 at 10:18:58
0 Years Posted by sure
Mumbai
50000 p.a.
Vacancy-1

To build projects and maintain website

Functional Area	Computer Software
Role	Software Professional
Key Skills	java, HTML, Python
Interview Date	12/04/2021
Interview Time	5:00
Interview Place	Mumbai

Apply for this Job

9. Application status



http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekermessagebox.jsp

JobSeeker - Message Box

Job Recruitement System

JobSeeker

Welcome ssrushti Logout

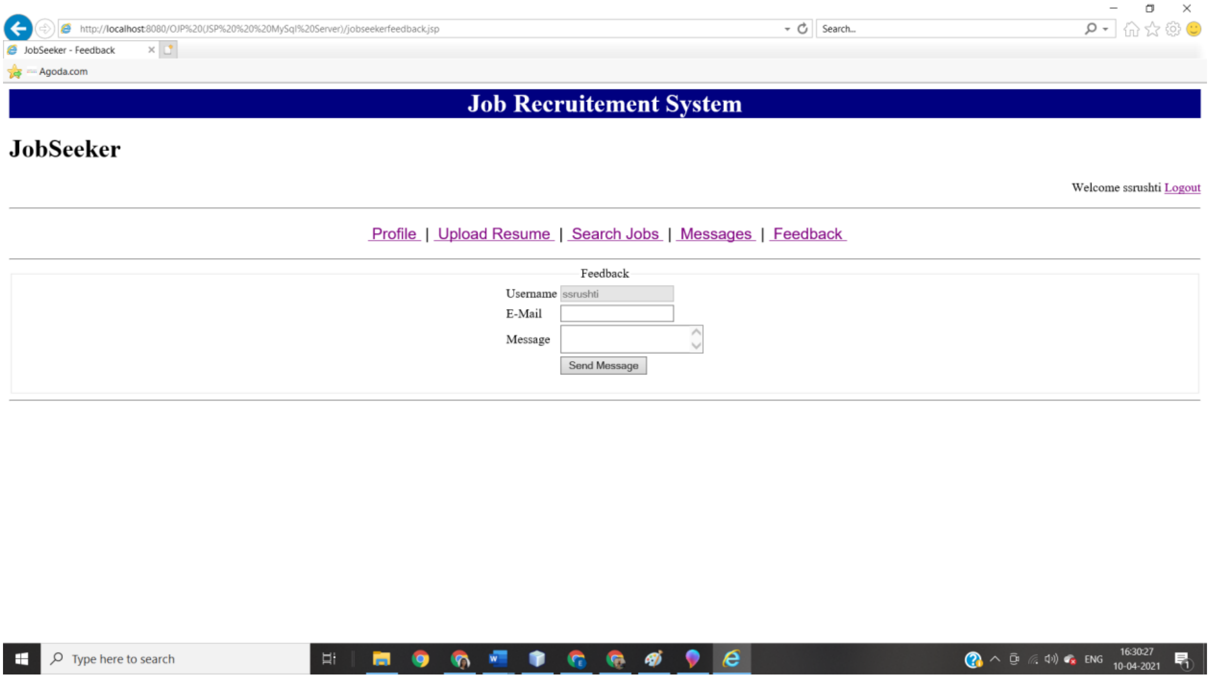
Profile | Upload Resume | Search Jobs | Messages | Feedback

Messages

sure Mon 29.03.2021 at 05:10:27

Selected for Interview for job 1

10. Feedback



http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/jobseekerfeedback.jsp

JobSeeker - Feedback

Job Recruitement System

JobSeeker

Welcome ssrushti Logout

Profile | Upload Resume | Search Jobs | Messages | Feedback

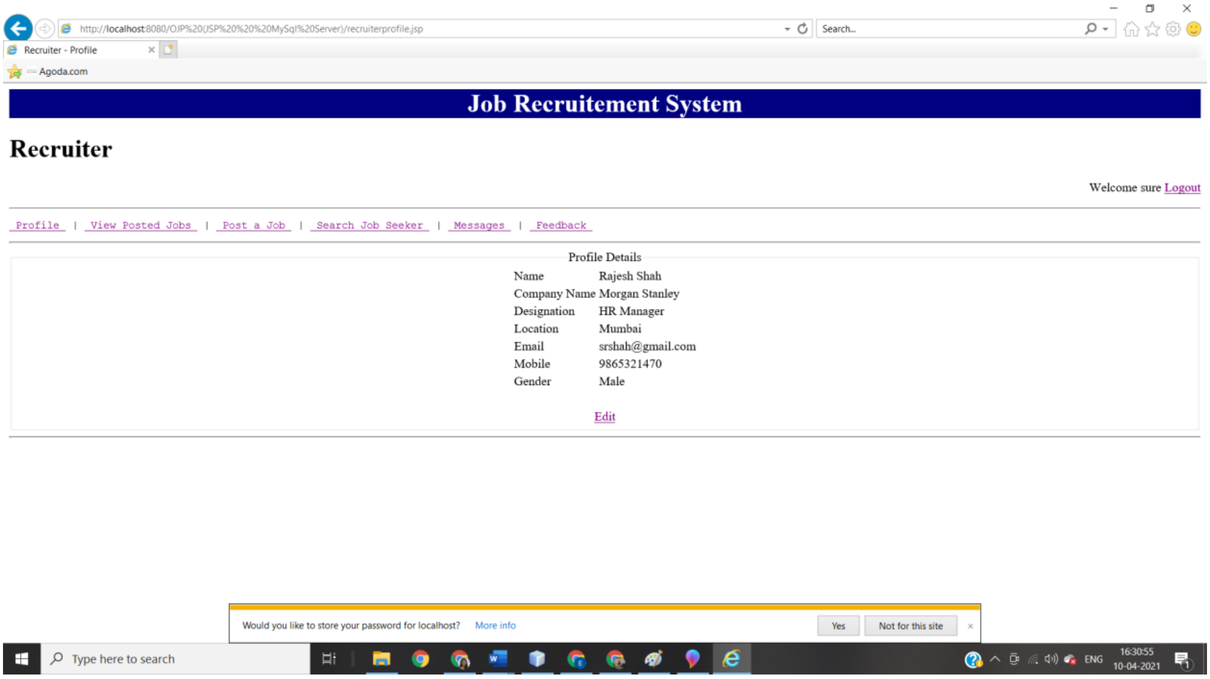
Feedback

Username: ssrushti

E-Mail:

Message:

11. Recrutier profile


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/recruiterprofile.jsp
Search...
Recruiter - Profile
Agoda.com
Profile | View Posted Jobs | Post a Job | Search Job Seeker | Messages | Feedback
Edit
Would you like to store your password for localhost? More info
Yes
Not for this site
Type here to search
ENG
16:30:55
10-04-2021

Job Recruitement System

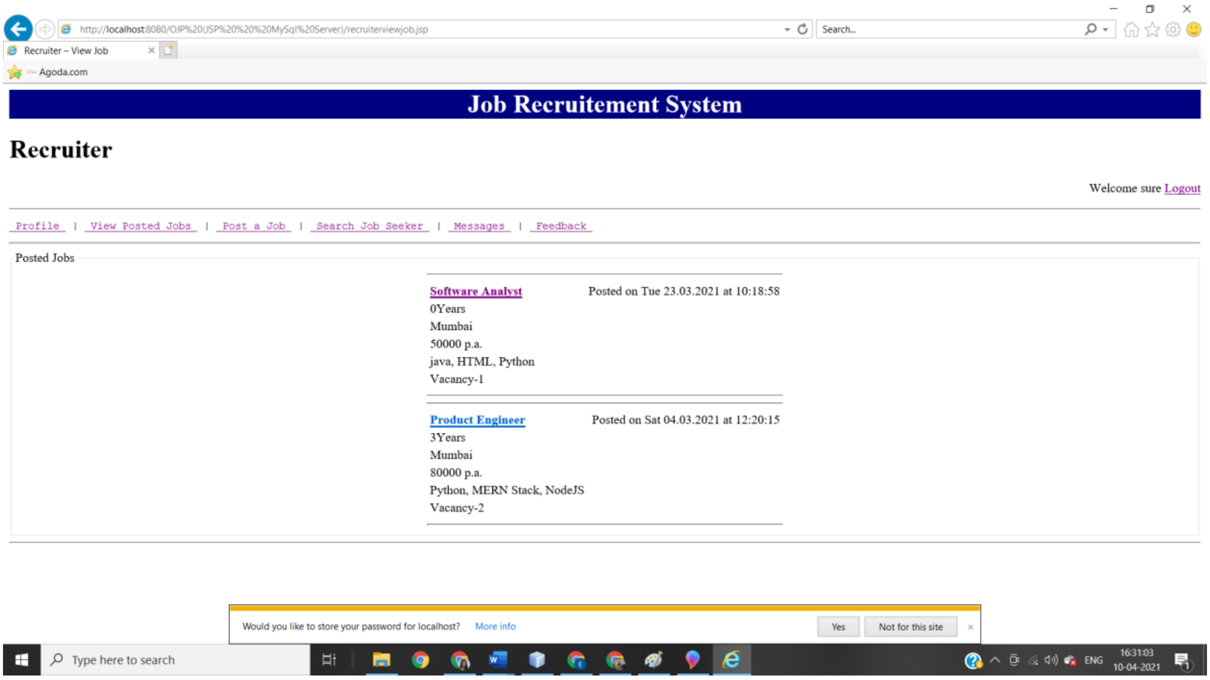
Recruiter

Welcome sure Logout

Profile Details

Name	Rajesh Shah
Company Name	Morgan Stanley
Designation	HR Manager
Location	Mumbai
Email	srshah@gmail.com
Mobile	9865321470
Gender	Male

12. View posted job


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/recruiterviewjob.jsp
Search...
Recruiter – View Job
Agoda.com
Profile | View Posted Jobs | Post a Job | Search Job Seeker | Messages | Feedback
Would you like to store your password for localhost? More info
Yes
Not for this site
Type here to search
ENG
16:31:03
10-04-2021

Job Recruitement System

Recruiter

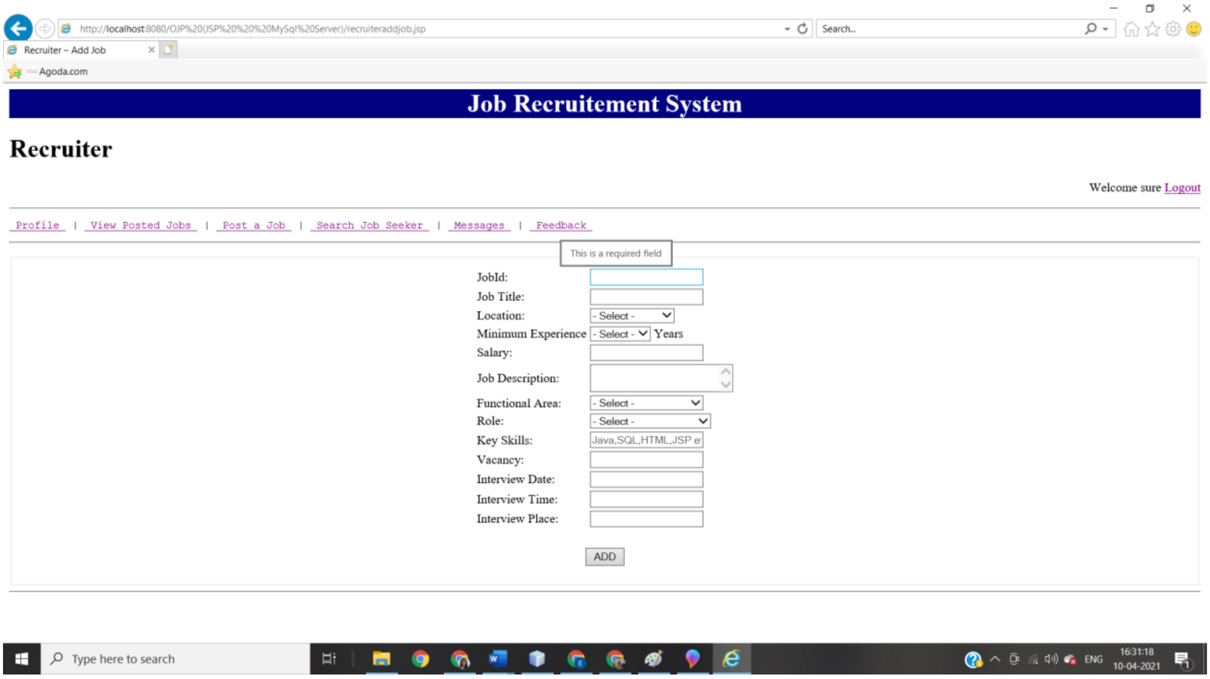
Welcome sure Logout

Posted Jobs

Software Analyst Posted on Tue 23.03.2021 at 10:18:58
0Years
Mumbai
50000 p.a.
java, HTML, Python
Vacancy-1

Product Engineer Posted on Sat 04.03.2021 at 12:20:15
3Years
Mumbai
80000 p.a.
Python, MERN Stack, NodeJS
Vacancy-2

13. Post a job



Job Recruitement System

Recruiter

Welcome sure Logout

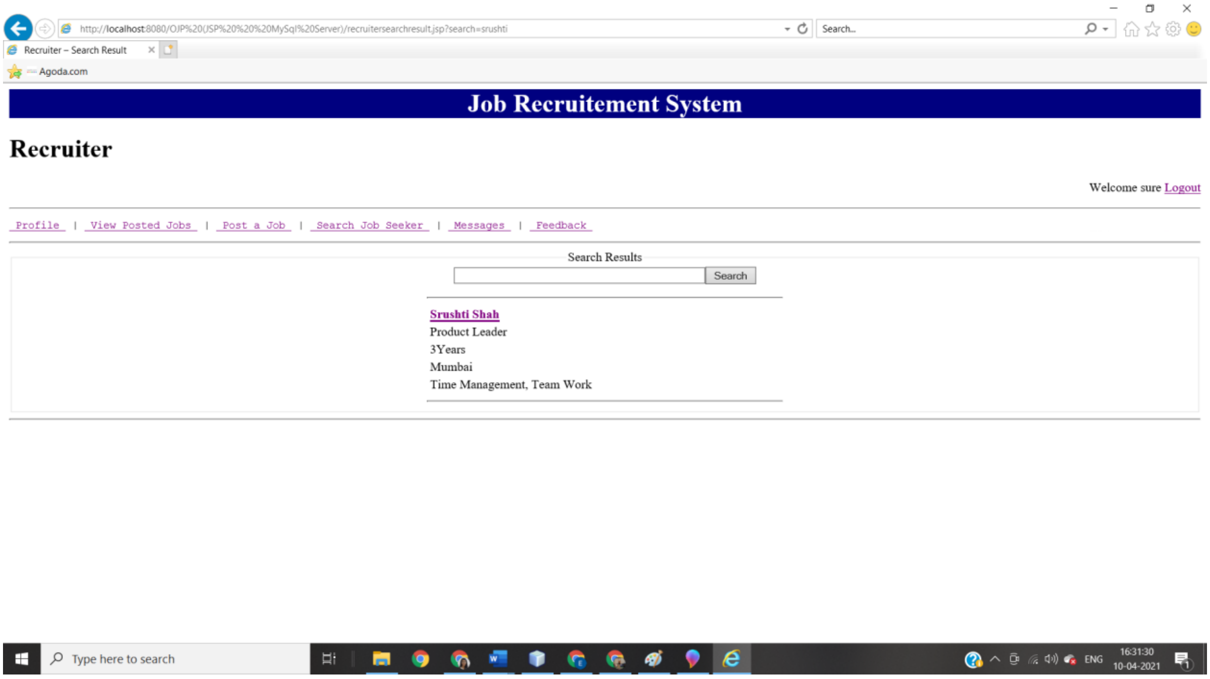
Profile | View Posted Jobs | Post a Job | Search Job Seeker | Messages | Feedback

This is a required field

JobId:
Job Title:
Location: - Select -
Minimum Experience - Select - Years
Salary:
Job Description:
Functional Area: - Select -
Role: - Select -
Key Skills: Java,SQL,HTML,JSP e
Vacancy:
Interview Date:
Interview Time:
Interview Place:

ADD

14. Search Job seeker


http://localhost:8080/OJP%20(JSP%20%20%20MySql%20Server)/recruitersearchresult.jsp?search=srushti
Search...
Recruiter – Search Result
Agoda.com
Type here to search
ENG
16:31:30
10-04-2021

Job Recruitement System

Recruiter

Welcome sure Logout

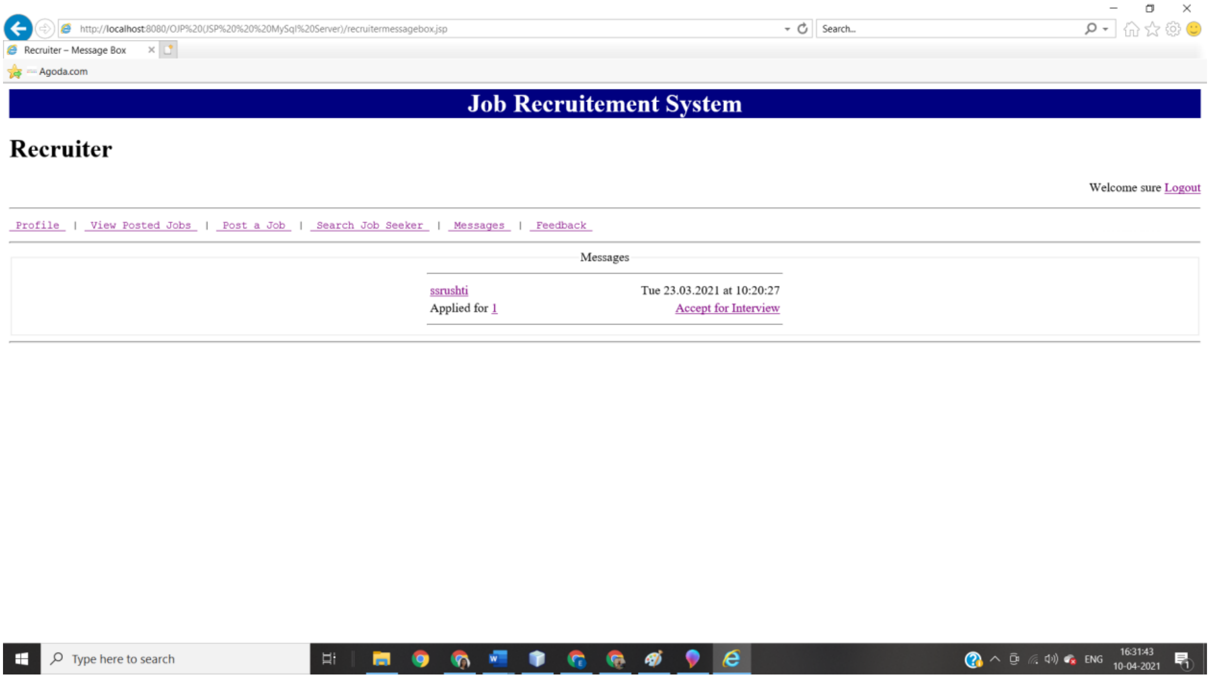
Profile | View Posted Jobs | Post a Job | Search Job Seeker | Messages | Feedback

Search Results

Search

Srushti Shah
Product Leader
3Years
Mumbai
Time Management, Team Work

15. Check application



Job Recruitement System

Recruiter

Welcome sure Logout

Profile | View Posted Jobs | Post a Job | Search Job Seeker | Messages | Feedback

Messages

ssrushti Tue 23.03.2021 at 10:20:27
Applied for 1 Accept for Interview

CONCLUSION: Thus, from this experiment I have implemented object oriented analysis and design for Job Recruitment System