**JAVA LAB 1**

**Team Details:**

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**Domain Name**: Online Job Portal

**Brief description of the domain** :

The present system requires applicants to search through the website and get a clear vision for job opportunities. Applicants need to apply for jobs using an editing profile and according to that they will have company options and they can select companies (who have vacancy for specific skills and designation) and can give online tests. According to the test result, the company can call them for a scheduled interview. They have to appear for the interview on a specified date at a specified location. Applicants can browse through the vacancy details that are posted and can apply for the jobs online. Employers can browse through the posted resumes and select suitable candidates.

**Details of entities with attributes and method :**

1. **Admin**

**Attributes**

**Type\_user (Global, Public, Customer)**

**Admin\_Id (Global, Public)**

**Created\_at (Global,Public)**

**Passcode (Local,Private)**

**Email\_id (Global, Public)**

**Phone\_Num (Local,Private)**

**Methods**

1. **Void Initialization()** : Initializes all the instance variables to local variables. Implements ‘Call by value’ or we can use default constructor to achieve this.

2. **Void Edit\_profile()** : Allows the admin to modify the profile contents.

3. **Void Customer\_manager( string User\_Id) :** Examines the activities of the customers to derive a brief notion about customers profile.

**2. Job Provider/Recruiter**

**Attributes**

1. Employer\_Id (Global, Public)
2. Created\_at (Global,Public)
3. Company\_name (Global, Public)
4. Password (Local,Private)
5. Email\_id (Global, Public)
6. Phone\_Num (Local,Private)

**Methods**

1. **Void Initialization():** Initializes all the instance variables to local variables. Implements ‘Call by value’ or we can use default constructor to achieve this.

2. **Void Add\_jobs():** Allows the employer to add a new job to the list for the job seekers to see .

3. **Void View\_applications()** : Allows the employer to view the applications filled by the various applicants and helps in finding the most suitable candidate for the job.

4. **Void Confirm\_apllication()** : Allows the employer to confirm the application of the applicants whom they find appropriate for the job.

**3. JobSeeker**

**Attributes** :

· **Id** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Name** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

O Default value : SeekerName

· **Gender** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Contact** ( DataType : Integer)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **E-mail** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Address** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **DOB** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Skills** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Experience** ( DataType : Integer)

o Scope : Within Class

o Access specifier : Private

o Default value : 0

**Methods** :

· **Login()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to initiate the login process for Job seeker.

· **View\_Job()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to see available jobs provided by a job provider.

· **Apply\_job()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to apply for available jobs provided by a job provider.

**View\_Confirmation()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to view confirmation for the applied jobs.

**Add\_Resume()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to add a resume in their profile

**4. Registration for Companies**

Class name : Companies Registration

Attributes : Access Specifier : Public

Methods :

1. addDetails() - Public - returns -1 if not successful else returns 1 - company to add the details about user like name, Organization, job type, requirements , etc.
2. getDetails() - Public - returns –the object if the company finds the suitable candidate.

**5. Search**

Class Name :- Search

Attribute :- Access Specifier : Public

Method:-

Search() :- User can get the details by providing the proper search key in the search element.

**6. JOB SEARCH BASED ON THE LOCALITY**

Class Name:- Location\_Search()

Attribute:- Access Specifier - Public

Methods:-

State():- User has to select the state in order to search for the Job.

City():- Should Provide City Name based on which all the available jobs will be showed

**7. Filter**

Class name:- Filter

Attribute: - Access Specifier – Public

Method: -

Filter\_job():

User can filter the job Search based on the pre-built key words in the application.

**8. Jobs**

**Attributes** :

· **JobId** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Job\_Location** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : no

· **Skills\_Required** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Designation** ( DataType : String)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Salary** ( DataType : Float)

o Scope : Within Class

o Access specifier : Private

o Default value : No

· **Experience** ( DataType : Integer)

o Scope : Within Class

o Access specifier : Private

o Default value : 0

**Methods** :

· **ProvideVacancy()**

o Scope : Within Class

o Access specifier : Public

o Return type : 0

This method is used to provide vacancies for the job to the job seekers.

**9. Services**

Class name:- Services

Attribute: - Access Specifier – Public

Method: -

provide\_service():

Users can provide the services based on the job seekers and job providers demand like resume building, online test quizzes etc.

**10. Feedback**

Class name:- Services

Attribute: - feedback\_id

Feedback\_text

User\_id

time

Method: -

get\_feedback():

Users can provide feedback on various services provided on the website.