**ONLINE JOB PORTAL**

**Jaydeep Monapara (CE067)**

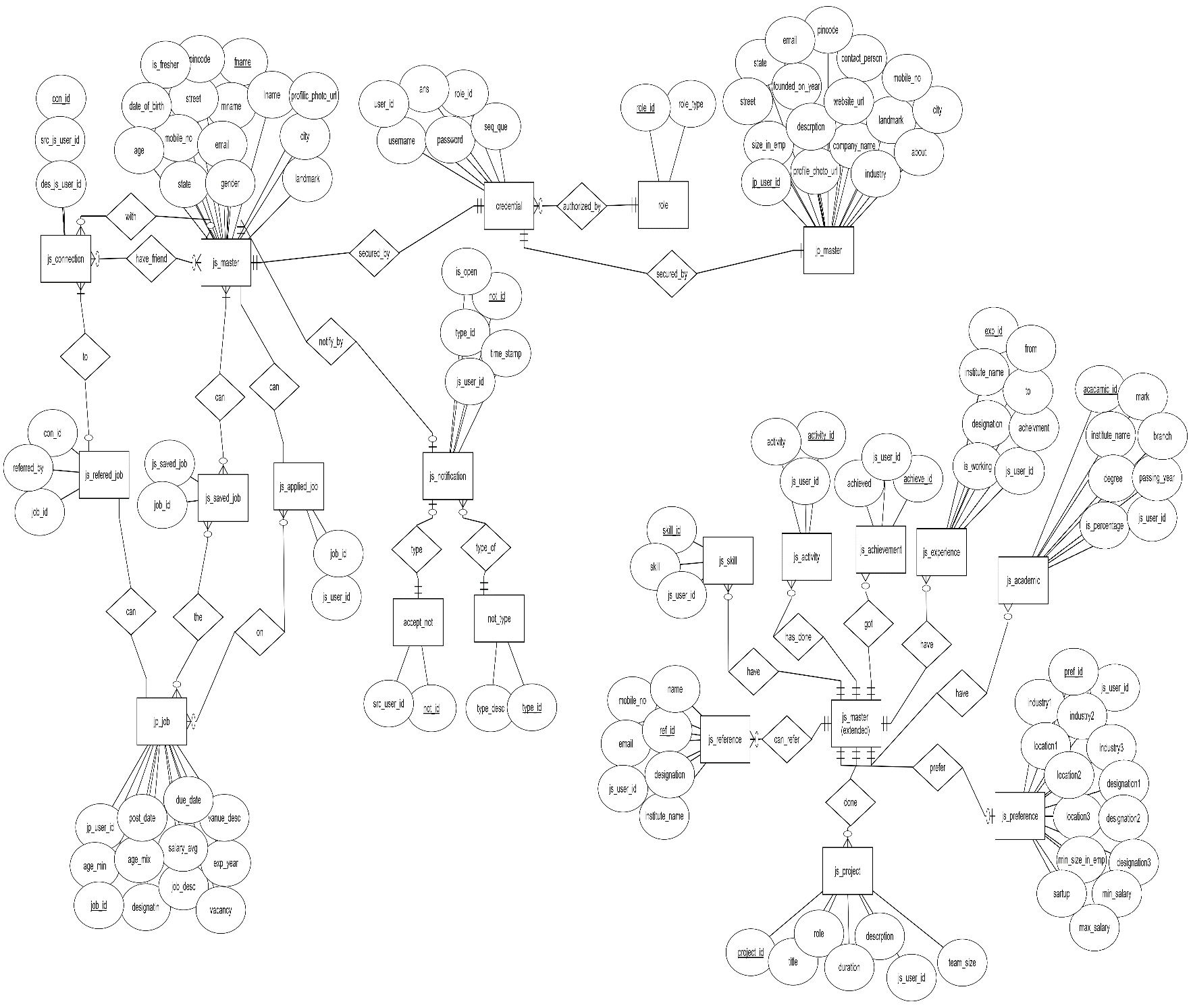
**Rajat Movaliya (CE069)**

**Akash Padhiyar (CE076)**

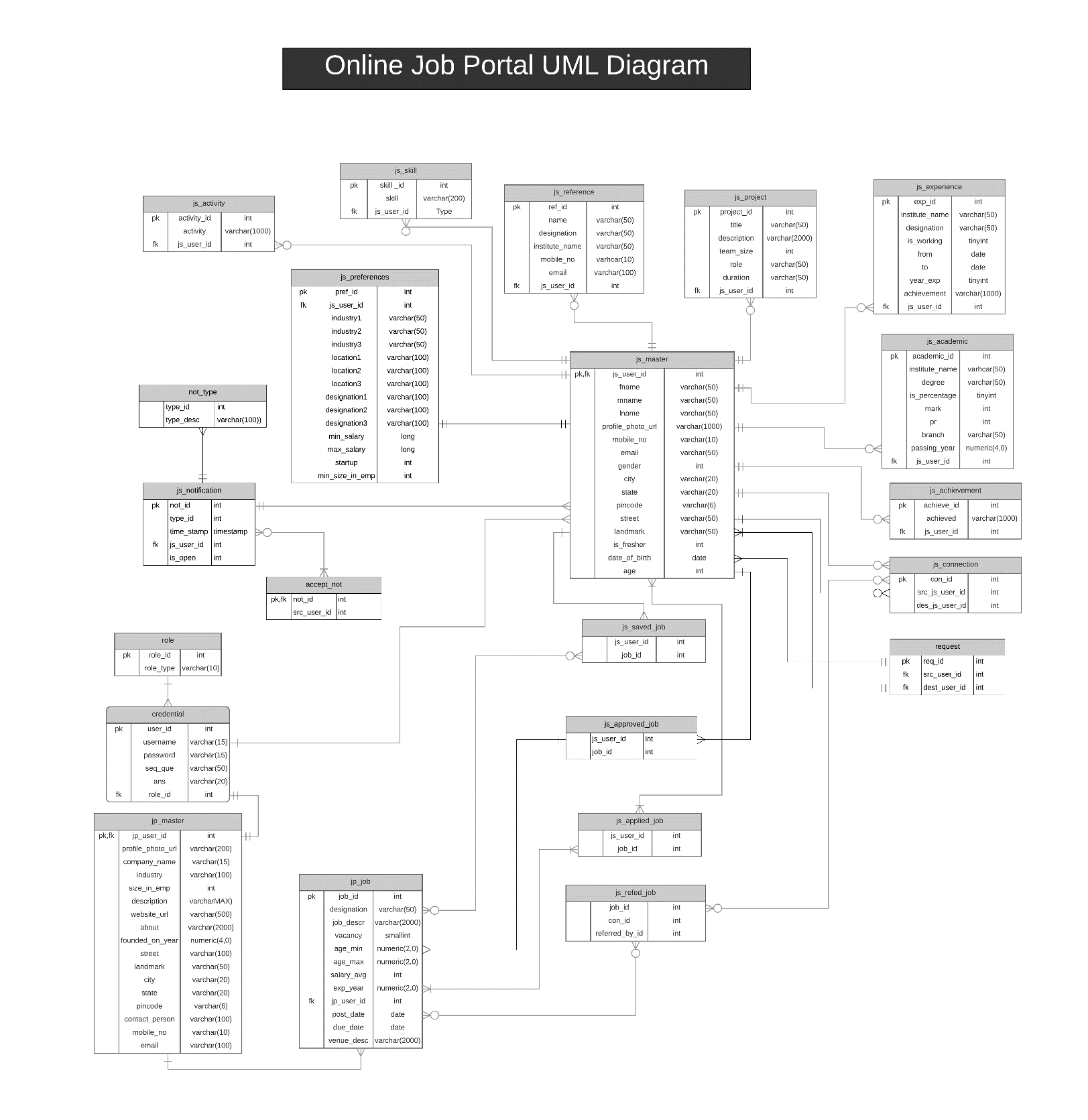
**Abbreviations in document:**

1. **ojp : Online Job Portal**
2. **js : Job Seeker**
3. **jp: Job Provider**

**E-R Diagram**



**UML DIAGRAM**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_MASTER** | | | | |
| **Sr.no** | **Field\_name** | **Data\_type** | **Width** | **Constraint** |
| 1 | Js\_user\_id | Int |  | PRIMARY KEY  IDENTITY(1,1) |
| 2 | Fname | Varchar | 50 | NOT NULL |
| 3 | Mname | Varchar | 50 | NULL |
| 4 | Lname | varchar | 50 | NOT NULL |
| 5 | Profile\_photo\_url | Varchar | 1000 | NULL |
| 6 | Mobile\_no | Varchar | 10 | C(\d{10}) |
| 7 | Email | Varchar | 50 | NOT NULL,  C ('^[A-Za-z]+[A-Za-z0-9.]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,4}$') |
| 8 | Gender | Int |  | NOT NULL |
| 9 | City | Varchar | 20 | NOT NULL |
| 10 | State | Varchar | 20 | NOT NULL |
| 11 | Pincode | Int | 6 | NOT NULL  C(\d{6}) |
| 12 | Street | Varchar | 50 | - |
| 13 | Landmark | Varchar | 50 | - |
| 14 | Is\_fresher | Int |  | NOT NULL |
| 15 | Date\_of\_birth | Date |  | NOT NULL |
| 16 | Age | Int |  | - |

**DATA DICTIONARY**

* **C(my\_regex) = (CHECK(REGEXP\_LIKE( field\_name, my\_regex))**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JP\_MASTER** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **consraint** |
| 1 | Jp\_user\_id | Int |  | PRIMAREY KEY  IDENTITY(1,1) |
| 2 | Profile\_photo\_url | Varchar | 200 | - |
| 3 | Compny\_name | Varchar | 15 | NOT NULL |
| 4 | Industry | Varchar | 100 | NOT NULL |
| 5 | Size\_in\_emp | Int |  | NOT NULL |
| 6 | Description | Varchar | MAX | - |
| 7 | Website\_url | Varchar | 500 | C([A-Za-z0-9]\*[.][a-ZA-Z0-9.]\*) |
| 8 | About | Varchar | 2000 | - |
| 9 | Founded\_on\_year | Varchar | 4,0 | C(\d{4}) |
| 10 | Street | Varchar | 100 | - |
| 11 | Landmark | Varchar | 50 | - |
| 12 | City | Varchar | 20 | NOT NULL |
| 13 | State | Varchar | 20 | NOT NULL |
| 14 | Pincode | Int | 6 | NOT NULL  C(\d{6}) |
| 15 | Contact\_person | Varchar | 100 | NOT NULL |
| 16 | Mobile\_no | Varchar | 10 | C(\d{10}) |
| 17 | email | varchar | 100 | NOT NULL,  C ('^[A-Za-z]+[A-Za-z0-9.]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,4}$') |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JP\_JOB** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Job\_id | Int |  | PRIMARY KEY  IDENTITY(1,1) |
| 2 | Designation | Varchar | 50 | NOT NULL |
| 3 | Job\_descr | Varchar | 2000 | NOT NULL |
| 4 | Vacancy | Smallint |  | - |
| 5 | Age\_min | Numeric | 2,0 | NOT NULL |
| 6 | Age\_max | Numeric | 2,0 | NOT NULL |
| 7 | Salary\_avg | Int |  | NOT NULL |
| 8 | Exp\_year | Numeric | 2,0 | NOT NULL |
| 9 | Jp\_user\_id | Int |  | FOREIGN KEY |
| 10 | Post\_date | Date |  | - |
| 11 | Due\_date | Date |  | NOT NULL |
| 12 | Venue\_desc | Varchar | 2000 | NOT NULL |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_PROJECT** | | | | |
| **Sr.no** | **Field\_name** | **Data type** | **Width** | **Constraint** |
| 1 | Project\_id | Int |  | PRIMARY KEY  IDENTITY(1,1) |
| 2 | Title | Varchar | 50 | NOT NULL |
| 3 | Description | Varchar | 2000 | NOT NULL |
| 4 | Team\_size | Int |  | NOT NULL |
| 5 | Role | Varchar | 50 | NOT NULL |
| 6 | Duration | Varchar | 50 | NOT NULL |
| 7 | Js\_user\_id | Int |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_REFERENCE** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Ref\_id | Int |  | PRIMARY KEY  IDENTITY(1,1) |
| 2 | Name | Varchar | 50 | NOT NULL |
| 3 | Designation | Varchar | 50 | NOT NULL |
| 4 | Institute\_name | Varchar | 50 | NOT NULL |
| 5 | Mobile\_no | Varchar | 10 | C(\d{10}) |
| 6 | Email | Varchar | 100 | C ('^[A-Za-z]+[A-Za-z0-9.]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,4}$') |
| 7 | Js\_user\_id | Varchar |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_EXPERIENCE** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Exp\_id | Int |  | PRIMARY KEY |
| 2 | Institutate\_name | Varchar | 50 | NOT NULL |
| 3 | Designation | Varchar | 50 | NOT NULL |
| 4 | Is\_working | Tinyint |  | NOT NULL |
| 5 | From | Date |  | NOT NULL |
| 6 | To | Date |  | NOT NULL |
| 7 | Year\_exp | Tinyint |  | - |
| 8 | Achievememt | Varchar | 1000 | - |
| 9 | Js\_user\_id | int |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_ACTIVITY** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **constraint** |
| 1 | Activity\_id | Int |  | PRIMARY KEY |
| 2 | Activity | Varchar | 1000 | NOT NULL |
| 3 | Js\_user\_id | int |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_SKILL** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Skill\_id | Int |  | PRIMARY KEY |
| 2 | Skill | Varchar | 200 | NOT NULL |
| 3 | Js\_user\_id | int |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_CONNECTION** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Con\_id | Int |  | PRIMARY KEY |
| 2 | Src\_js\_user\_id | Int |  | NOT NULL |
| 3 | Des\_js\_user\_id | int |  | NOT NULL |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_ACHIEVEMENT** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Achieve\_id | Int |  | PRIMARY KEY |
| 2 | Achieved | Varchar | 1000 | NOT NULL |
| 3 | Js\_user\_id | int |  | FOREIGN KEY |
| **CREDENTIAL** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Username | Varchar | 15 | C(\w{6,10})  NOT NULL |
| 2 | Password | varchar | 15 | NOT NULl  C(\w{6,10}) |
| 3 | Seq\_name | Varchar | 50 | NOT NULL |
| 4 | Ans | Varchar | 20 | NOT NULL |
| 5 | Role\_id | int |  | FOREIGN KEY |
| 6 | User\_id | Int |  | PRIMARY KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ROLE** | | | | |
| **Sr.no** | **Field anme** | **Data type** | **Width** | **constraint** |
| 1 | Role\_id | Int |  | PRIMARY KEY |
| 2 | Role\_type | varchar | 10 | NOT NULL |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_APPLIED\_JOB** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Js\_user\_id | Int |  | NOT NULL  FOREIGN KEY |
| 2 | Job\_id | int |  | NOT NULL  FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_SAVED\_JOB** | | | | |
| **Sr.name** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Js\_user\_id | Int |  | NOT NULL  FOREIGN KEY |
| 2 | Job\_id | int |  | NOT NULL  FOREIGN KEY |

|  |  |  |  |
| --- | --- | --- | --- |
| **JS\_APPROVED\_JOB** | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | | **Constraint** |
| 1 | Js\_user\_id | Int |  | | NOT NULL  FOREIGN KEY |
| 2 | Job\_id | int |  | | NOT NULL  FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_REFERRED\_JOB** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Job\_id | Int |  | NOT NULL  FOREIGN KEY |
| 2 | Con\_id | Int |  | NOT NULL  FOREIGN KEY |
| 3 | Referred\_by\_id | int |  | NOT NULL  FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_ACADEMIC** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Academic\_id | Int |  | PRIMARY KEY |
| 2 | Institute\_name | Varchar | 50 | NOT NULL |
| 3 | Degree | Varchar | 50 | NOT NULL |
| 4 | Is\_percentage | Tinyint |  | NOT NULL |
| 5 | Mark | Int |  | NOT NULL |
| 6 | Pr | Int |  | - |
| 7 | Branch | Varchar | 50 | - |
| 8 | Passing\_year | Numeric | 4,0 | NOT NULL |
| 9 | Js\_user\_id | int |  | FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_NOTIFICATION** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Not\_id | Int |  | PRIMARY KEY |
| 2 | Type\_id | Varchar | 100 | NOT NULL |
| 3 | Time\_stamp | Timestamp |  | NOT NULL |
| 4 | Js\_user\_id | int |  | NOT NULL  FOREIGN KEY |
| 5 | Is\_open | Int |  | NOT NULL |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **REQUEST** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Req\_id | Int |  | PRIMARY KEY |
| 2 | Src\_user\_id | Int |  | NOT NULL  FOREIGN KEY |
| 3 | Dest\_user\_id | int |  | NOT NULL  FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACCEPT\_NOT** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Not\_id | Int |  | PRIMARY KEY,FOREIGN KEY |
| 2 | Src\_user\_id | Int |  | NOT NULL  FOREIGN KEY |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JS\_PREFERENCES** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **consraint** |
| 1 | Pref\_id | Int |  | PRIMAREY KEY |
| 2 | Js\_user\_id | Int |  | FOREIGN KEY |
| 3 | Industry1 | Varchar | 50 |  |
| 4 | Industry2 | Varchar | 50 |  |
| 5 | Industry3 | Varchar | 50 |  |
| 6 | Location1 | Varchar | 100 |  |
| 7 | Location2 | Varchar | 100 |  |
| 8 | Location3 | Varchar | 100 |  |
| 9 | Designation1 | Varchar | 100 |  |
| 10 | Designation2 | Varchar | 100 |  |
| 11 | Designation3 | Varchar | 100 |  |
| 12 | Min\_salary | Long |  | NOT NULL |
| 13 | Max\_salary | Long |  | NOT NULL |
| 14 | Startup | Int |  | NOT NULL |
| 15 | Min\_size\_in\_emp | Int |  | NOT NULL |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NOT\_TYPE** | | | | |
| **Sr.no** | **Field name** | **Data type** | **Width** | **Constraint** |
| 1 | Type\_id | Int |  | NOT NULL |
| 2 | Type\_desc | Varchar | 100 | NOT NULL |

**DDL STATEMENTS**

drop table js\_achievement;

drop table js\_experience;

drop table js\_academic;

drop table js\_project;

drop table js\_reference;

drop table js\_skill;

drop table js\_activity;

drop table js\_saved\_job;

drop table js\_applied\_job;

drop table js\_referred\_job;

drop table jp\_master;

drop table jp\_job;

drop SEQUENCE user\_id;

drop SEQUENCE role\_id;

drop SEQUENCE con\_id;

drop SEQUENCE req\_id;

drop SEQUENCE not\_id;

drop SEQUENCE type\_id;

drop SEQUENCE achieve\_id;

drop SEQUENCE academic\_id;

drop SEQUENCE exp\_id;

drop SEQUENCE project\_id;

drop SEQUENCE ref\_id;

drop SEQUENCE skill\_id;

drop SEQUENCE activity\_id;

drop SEQUENCE job\_id;

/\*-----------------------------------------------------------\*/

CREATE SEQUENCE role\_id INCREMENT BY 1;

CREATE TABLE role (

role\_id int NOT NULL PRIMARY KEY,

role\_type varchar(10) NOT NULL

);

/\*-----------------------------------------------------------\*/

CREATE SEQUENCE user\_id INCREMENT BY 1;

CREATE TABLE credential (

user\_id NUMBER(38) PRIMARY KEY,

username varchar(15) NOT NULL,

pw varchar(15) NOT NULL,

seq\_que varchar(50) NOT NULL,

ans varchar(20) NOT NULL,

role\_id NUMBER(10) NOT NULL,

CONSTRAINT FK\_cred\_role FOREIGN KEY(role\_id) REFERENCES role(role\_id),

CONSTRAINT con\_user\_id CHECK(REGEXp\_LIKE(username,'\w[a-z:A-Z:0-9]{5,10}'))

);

/\*--------------------------------------------------------\*/

CREATE TABLE js\_master (

js\_user\_id NUMBER(38) PRIMARY KEY,

fname varchar(50) NOT NULL,

mname varchar(50) NOT NULL,

lname varchar(50) NOT NULL,

profile\_photo\_url varchar(1000) NULL,

mobile\_no varchar(10) NULL,

email varchar(50) NOT NULL,

gender NUMBER(1) NOT NULL,

city varchar(20) NULL,

state varchar(20) NULL,

pincode varchar(6) NULL,

street varchar(50) NULL,

landmark varchar(50) NULL,

is\_fresher NUMBER(38) NOT NULL,

date\_of\_birth date,

age NUMBER(38),

CONSTRAINT FK\_cred\_js FOREIGN KEY(js\_user\_id) REFERENCES credential(user\_id)

);

/\*-------------------------------------------------------------\*/

CREATE SEQUENCE con\_id INCREMENT BY 1;

CREATE TABLE js\_connection (

con\_id int NOT NULL PRIMARY KEY,

src\_user\_id int NOT NULL,

des\_user\_id int NOT NULL

);

SELECT \* FROM JS\_CONNECTION;

/\*-------------------------------------------------------------\*/

CREATE SEQUENCE req\_id INCREMENT BY 1;

CREATE TABLE request (

req\_id number(38) NOT NULL PRIMARY KEY,

src\_user\_id number(38) NOT NULL,

dest\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_number\_q\_src\_js FOREIGN KEY(src\_user\_id) REFERENCES js\_master(js\_user\_id),

CONSTRAINT FK\_req\_dest\_js FOREIGN KEY(dest\_user\_id) REFERENCES js\_master(js\_user\_id)

);

/\* ----------------------------------------\*/

CREATE SEQUENCE type\_id INCREMENT BY 1;

CREATE TABLE not\_type (

type\_id int PRIMARY KEY NOT NULL,

type\_nm varchar(25) NOT NULL

);

-------------js\_notification table------------- -- ---------------------- --

CREATE SEQUENCE not\_id INCREMENT BY 1;

CREATE TABLE js\_notification (

not\_id number(38) NOT NULL PRIMARY KEY,

type\_id number(38) NOT NULL,

time\_stamp timestamp NOT NULL,

js\_user\_id number(38) NOT NULL,

is\_open number(1) NOT NULL,

CONSTRAINT FK\_not\_type FOREIGN KEY(type\_id) REFERENCES js\_master(type\_id),

CONSTRAINT FK\_not\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------Accept\_Not Table-------------

CREATE TABLE accept\_not (

not\_id number(38) NOT NULL PRIMARY KEY,

src\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_not\_accept FOREIGN KEY(type\_id) REFERENCES js\_notification(not\_id)

);

-------------js\_academic table-------------

drop table js\_academic;

CREATE SEQUENCE academic\_id INCREMENT BY 1;

CREATE TABLE js\_academic (

academic\_id number(38) NOT NULL PRIMARY KEY,

institute\_name varchar(50) NOT NULL,

degree varchar(50) NOT NULL,

is\_percentage number(1) NOT NULL,

mark number(38) NOT NULL,

pr number(38) NULL,

branch varchar(50) NULL,

passing\_year numeric(4,0) NOT NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_academic\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_skill table-------------

drop sequence skill\_id;

CREATE SEQUENCE skill\_id INCREMENT BY 1;

CREATE TABLE js\_skill (

skill\_id number(38) NOT NULL PRIMARY KEY,

skill varchar(200) NOT NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_skill\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_achievement table-------------

CREATE SEQUENCE achieve\_id INCREMENT BY 1;

CREATE TABLE js\_achievement (

achieve\_id number(38) NOT NULL PRIMARY KEY,

achieved varchar(1000) NOT NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_achieve\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

/\* ---------------js\_preference table-------------------------\*/

CREATE SEQUENCE pref\_id INCREMENT BY 1;

CREATE TABLE js\_preference (

pref\_id number(38) NOT NULL PRIMARY KEY,

industry1 varchar(50) NULL,

industry2 varchar(50) NULL,

industry3 varchar(50) NULL,

location1 varchar(50) NULL,

location2 varchar(50) NULL,

location3 varchar(50) NULL,

designation1 varchar(50) NULL,

designation2 varchar(50) NULL,

designation3 varchar(50) NULL,

min\_salary number(38) NULL,

max\_salary number(38) NULL,

startup number(1) default 0,

min\_size\_in\_emp number(38),

js\_user\_id number(38) not null,

CONSTRAINT FK\_exp\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_experience table------------- ------------------------------------

CREATE SEQUENCE exp\_id INCREMENT BY 1;

CREATE TABLE js\_experience (

exp\_id number(38) NOT NULL PRIMARY KEY,

institute\_name varchar(50) NOT NULL,

designation varchar(50) NOT NULL,

is\_working number(1) NOT NULL,

exp\_from date NOT NULL,

exp\_to date NULL,

year\_exp number(1) NOT NULL,

achievement varchar(1000) NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_exp\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_saved\_job table-------------

CREATE TABLE js\_saved\_job (

js\_user\_id number(38) NOT NULL,

job\_id number(38) NOT NULL,

CONSTRAINT FK\_savej\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id),

CONSTRAINT FK\_savej\_job FOREIGN KEY(job\_id) REFERENCES jp\_job(job\_id),

PRIMARY KEY (js\_user\_id,job\_id) );

-------------js\_activity table-------------

CREATE SEQUENCE activity\_id INCREMENT BY 1;

CREATE TABLE js\_activity (

activity\_id number(38) NOT NULL PRIMARY KEY,

activity varchar(1000) NOT NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_activity\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_project table-------------

CREATE SEQUENCE proj\_id INCREMENT BY 1;

CREATE TABLE js\_project (

project\_id int NOT NULL PRIMARY KEY,

title varchar(50) NOT NULL,

description varchar(2000) NULL,

team\_size int NOT NULL,

role varchar(50) NULL,

duration varchar(50) NOT NULL,

js\_user\_id int NOT NULL,

CONSTRAINT FK\_proj\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------js\_reference table-------------

CREATE SEQUENCE ref\_id INCREMENT BY 1;

CREATE TABLE js\_reference (

ref\_id number(38) NOT NULL PRIMARY KEY,

name varchar(50) NOT NULL,

designation varchar(50) NOT NULL,

institute\_name varchar(50) NULL,

mobile\_no varchar(10) NULL,

email varchar(100) NOT NULL,

js\_user\_id number(38) NOT NULL,

CONSTRAINT FK\_ref\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id)

);

-------------jp\_master table------------- -------------------------------------

CREATE TABLE jp\_master (

jp\_user\_id number(38) NOT NULL PRIMARY KEY,

profile\_photo\_url varchar2(200) NULL,

company\_name varchar2(15) NOT NULL,

industry varchar2(100) NOT NULL,

size\_in\_emp number(38) NOT NULL,

description nchar(5000) NULL,

website\_url nCHAR(500) NOT NULL,

about nCHAR(2000) NULL,

founded\_on\_year numeric(4,0) NULL,

street nchar(100) NULL,

landmark varchar2(50) NULL,

city varchar2(20) NULL,

state varchar2(20) NULL,

pincode varchar2(6) NULL,

contact\_person VARCHAR2(100) NOT NULL,

mobile\_no varchar2(10) NULL,

email varchar2(100) NOT NULL,

CONSTRAINT FK\_cred\_js FOREIGN KEY(js\_user\_id) REFERENCES credential(user\_id)

);

-------------jp\_job table--------------------

CREATE SEQUENCE job\_id INCREMENT BY 1;

CREATE TABLE jp\_job (

job\_id number(38) NOT NULL PRIMARY KEY,

designation varchar(50) NOT NULL,

job\_descr varchar(2000) NULL,

vacancy number(38) NOT NULL,

age\_min numeric(2,0) NULL,

age\_max numeric(2,0) NULL,

salary\_avg number(38) NULL,

exp\_year numeric(2,0) NULL,

jp\_user\_id number(38) NOT NULL,

post\_date date NOT NULL,

due\_date date NOT NULL,

venue\_desc varchar(2000) NULL,

CONSTRAINT FK\_job\_jp FOREIGN KEY(jp\_user\_id) REFERENCES credential(jp\_user\_id)

);

-------------js\_referred\_job table-------------

CREATE TABLE js\_referred\_job (

con\_id number(38) NOT NULL PRIMARY KEY,

job\_id number(38) NOT NULL,

referred\_by\_id number(38) NOT NULL,

CONSTRAINT FK\_refej\_con FOREIGN KEY(con\_id) REFERENCES js\_connection(con\_id),

CONSTRAINT FK\_refej\_job FOREIGN KEY(job\_id) REFERENCES jp\_job(job\_id),

PRIMARY KEY (js\_user\_id,job\_id)

);

-------------js\_approved\_job table------------- -----------------------------

CREATE TABLE js\_approved\_job (

js\_user\_id int NOT NULL PRIMARY KEY,

job\_id int NOT NULL,

CONSTRAINT FK\_approvej\_js FOREIGN KEY(js\_user\_id) REFERENCES js\_master(js\_user\_id),

CONSTRAINT FK\_approvej\_job FOREIGN KEY(job\_id) REFERENCES jp\_job(job\_id)

);

-------------End-------------

**DML STATEMENTS**

**FOR JOB SEEKER :**

INSERT INTO credential (user\_id,username,password,seq\_que,ans,role\_id)

VALUES (user\_id.NEXTVAL,"username1","password1","question1","answer1",1);

INSERT INTO credential (user\_id,username,password,seq\_que,ans,role\_id)

VALUES (user\_id.NEXTVAL,"username2","password2","question2","answer2",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO role (role\_id,role\_type)

VALUES (role\_id.NEXTVAL,"job\_seeker");

INSERT INTO role (role\_id,role\_type)

VALUES (role\_id.NEXTVAL,"job\_provider");

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_master (js\_user\_id,fname,mname,lname,profile\_photo\_url,mobile\_no,email,gender,city,state,pincode,street,landmark,is\_fresher,date\_of\_birth,age)

VALUES (1,"Jaydeep","V","Patel","/project/proPics,1.jpeg",9832453322,"mymail23@gmail.com",0,"Surat","Gujarat",395010,"54/Bhumipark Society","Punagam","14-JUN-1998");

UPDATE js\_master SET age = trunc(months\_between(sysdate,date\_of\_birth) / 12) WHERE js\_user\_id = 1;

INSERT INTO js\_master (js\_user\_id,fname,mname,lname,profile\_photo\_url,mobile\_no,email,gender,city,state,pincode,street,landmark,is\_fresher,date\_of\_birth,age)

VALUES (1,"Abhishek","R","Patel","/project/proPics,2.jpeg",9832343322,"abhimail23@gmail.com",0,"Vadodara","Gujarat",395310,"54/Sunrise Society","Padar Road","15-JUL-1999");

UPDATE js\_master SET age = trunc(months\_between(sysdate,date\_of\_birth) / 12) WHERE js\_user\_id = 2;

-----------------------------------------------------------------------------------------------------------

INSERT INTO connection (con\_id,src\_user\_id,des\_user\_id)

VALUES (con\_id.NEXTVAL,1,2);

INSERT INTO connection (con\_id,src\_user\_id,des\_user\_id)

VALUES (con\_id.NEXTVAL,2,3);

-----------------------------------------------------------------------------------------------------------

INSERT INTO request (req\_id,src\_user\_id,dest\_user\_id,)

VALUES (req\_id.NEXTVAL,1,2);

INSERT INTO request (req\_id,src\_user\_id,dest\_user\_id,)

VALUES (req\_id.NEXTVAL,2,3);

-----------------------------------------------------------------------------------------------------------

INSERT INTO not\_type (type\_id,type\_nm)

VALUES (type\_id.NEXTVAL,"Accept");

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_notification (not\_id,type\_id,is\_open,time\_stamp,js\_user\_id)

VALUES (not\_id.NEXTVAL,1,0,to\_char(sysdate,'dd-mm-yyyy'),1);

INSERT INTO js\_notification (not\_id,type\_id,is\_open,time\_stamp,js\_user\_id)

VALUES (not\_id.NEXTVAL,1,0,to\_char(sysdate,'dd-mm-yyyy'),2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO accept\_not (not\_id,type\_id)

VALUES (1,2);

INSERT INTO accept\_not (not\_id,type\_id)

VALUES (2,1);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_preference (pref\_id,js\_user\_id,industry1,industry2,industry3,location1,location2,location3,designation1,designation2,designation3,min\_salary,max\_salary,startup,min\_sizein\_emp)

VALUES (pref\_id.NEXTVAL,1,"IT",NULL,NULL,"DEVELOPER",NULL,NULL,25000,40000,0,35000);

INSERT INTO js\_preference (pref\_id,js\_user\_id,industry1,industry2,industry3,location1,location2,location3,designation1,designation2,designation3,min\_salary,max\_salary,startup,min\_sizein\_emp)

VALUES (pref\_id.NEXTVAL,2,"Petrolium",NULL,NULL,"INSTRUCTIONM MANAGER",NULL,NULL,22000,40000,0,35000);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_academic (academic\_id,institute\_name,degree,is\_percentage,mark,pr,branch,passing\_year,js\_user\_id)

VALUES (academic\_id.NEXTVAL,"Institue1","Degree1",1,95,99,"Branch1",2017,1);

INSERT INTO js\_academic (academic\_id,institute\_name,degree,is\_percentage,mark,pr,branch,passing\_year,js\_user\_id)

VALUES (academic\_id.NEXTVAL,"Institue2","Degree2",0,9,98.77,"Branch1",2013,2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_skill (skill \_id,skill,js\_user\_id)

VALUES (skill\_id.NEXTVAL,"C++",1);

INSERT INTO js\_skill (skill \_id,skill,js\_user\_id)

VALUES (skill\_id.NEXTVAL,"Java",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_experience (exp\_id,institute\_name,designation,is\_working,from,to,achievement,js\_user\_id)

VALUES (exp\_id.NEXTVAL,"Company1","Product Manager",0,'31-MAR-2006','13-MAR-2010',NULL,1);

UPDATE js\_experience SET year\_exp = trunc(months\_between(to,from) / 12) WHERE exp\_id == 1;

INSERT INTO js\_experience (exp\_id,institute\_name,designation,is\_working,from,to,achievement,js\_user\_id)

VALUES (exp\_id.NEXTVAL,"Company2","Manager",1,'31-MAR-2007',NULL,NULL,2);

UPDATE js\_experience SET year\_exp = trunc(months\_between(to,from) / 12) WHERE exp\_id == 2;

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_project (project\_id,title,description,team\_size,role,duration,js\_user\_id)

VALUES (project\_id.NEXTVAL,"ONLINE JOB PORTAL","online platform for job",3,NULL,"5 months",1);

INSERT INTO js\_project (project\_id,title,description,team\_size,role,duration,js\_user\_id)

VALUES (project\_id.NEXTVAL,"HOTEL MANAGEMENT SYSTEM","online hotel management",1,NULL,"1 year",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_achieve (achieve\_id,achieved,js\_user\_id)

VALUES (achieve\_id.NEXTVAL,"Best Award",1);

INSERT INTO js\_achieve (achieve\_id,achieved,js\_user\_id)

VALUES (achieve\_id.NEXTVAL,"Best Award",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_activity (activity\_id,activity,js\_user\_id)

VALUES (activity\_id.NEXTVAL,"SOCIAL SERVICES",1);

INSERT INTO js\_activity (activity\_id,activity,js\_user\_id)

VALUES (activity\_id.NEXTVAL,"Football Champion National Level",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_reference (ref\_id,name,designation,institute\_name,mobile\_no,email,js\_user\_id)

VALUES (ref\_id.NEXTVAL,"ABC","Teacher","XYZ","9876543210","abc123@yahoo.com",1);

INSERT INTO js\_reference (ref\_id,name,designation,institute\_name,mobile\_no,email,js\_user\_id)

VALUES (ref\_id.NEXTVAL,"MNL","Product Manager","EFG","9376543311","mnl123@gmail.com",2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_referred (con\_id,job\_id,referred\_by\_id)

VALUES (1,1,1);

INSERT INTO js\_referred (con\_id,job\_id,referred\_by\_id)

VALUES (2,2,2);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_applied\_job (js\_user\_id,job\_id)

VALUES (1,2);

INSERT INTO js\_applied\_job (js\_user\_id,job\_id)

VALUES (2,1);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_saved\_job (js\_user\_id,job\_id)

VALUES (1,2);

INSERT INTO js\_saved\_job (js\_user\_id,job\_id)

VALUES (2,1);

-----------------------------------------------------------------------------------------------------------

INSERT INTO js\_approved\_job (js\_user\_id,job\_id)

VALUES (1,2);

INSERT INTO js\_approved\_job (js\_user\_id,job\_id)

VALUES (2,1);

-----------------------------------------------------------------------------------------------------------

**FOR JOB PROVIDER :**

-----------------------------------------------------------------------------------------------------------

INSERT INTO jp\_master (jp\_user\_id,profile\_photo\_url,company\_name,industry,size\_in\_emp,description,website\_url,about,founded\_on\_year,street,landmark,city,state,pincode,contact\_person,mobile\_no,email)

VALUES (3,"/project/proPics/3.jpeg","ABC PVT. LTD","Petrolium",35000,NULL,"www.abc.com",NULL,2000,"35/Gujarat Industrial","VIP Circle","Surat","Gujarat",345673,"Rajat",9856238756,"rajat45@yahoo.com");

INSERT INTO jp\_master (jp\_user\_id,profile\_photo\_url,company\_name,industry,size\_in\_emp,description,website\_url,about,founded\_on\_year,street,landmark,city,state,pincode,contact\_person,mobile\_no,email)

VALUES (4,"/project/proPics/4.jpg","XYZ PVT. LTD","IT",32451,NULL,"www.XYZ.com",NULL,2001,"35/Silicon Valley Park","FB Circle","Surat","Gujarat",345573,"Akash",9556238756,"akki45@yahoo.com");

-----------------------------------------------------------------------------------------------------------

INSERT INTO jp\_job (job\_id,designation,job\_descr,vacancy,age\_min,age\_max,salary\_avg,exp\_year,jp\_user\_id,post\_date,due\_date,venue\_desc,Field)

VALUES (job\_id.NEXTVAL,"Product Manager","Vacancy for product manager",4,24,34,NULL,4,to\_char(sysdate,'dd-mm-yyyy'),'31-APR-2018',"HQ Address");

INSERT INTO jp\_job (job\_id,designation,job\_descr,vacancy,age\_min,age\_max,salary\_avg,exp\_year,jp\_user\_id,post\_date,due\_date,venue\_desc)

VALUES (job\_id.NEXTVAL,"Project Manager","Vacancy for project manager",4,25,30,NULL,5,to\_char(sysdate,'dd-mm-yyyy'),'31-MAR-2018',"HQ Address1");

-----------------------------------------------------------------------------------------------------------

**Reports /Queries As Per Requirements**

**4.1**

R1.1 : Login

SELECT \* FROM credential WHERE BINARY\_CHECKSUM(username)=BINARY\_CHECKSUM(@username) and BINARY\_CHECKSUM(password)=BINARY\_CHECKSUM(@password);

R1.2 : Signup

INSERT INTO credential (username,password,que,ans,role\_id) VALUES (@username,@password,@question,@answer,@role\_id);

R1.3 : Forget Password

Checking For Security Question And Answer :

SELECT user\_id FROM credential WHERE username=@username AND que=@sec AND ans=@answer

Reset Password :

UPDATE credential SET password = @password WHERE user\_id=@user\_id

**4.2** Recommendation of Job

SELECT job\_info.\* FROM

(SELECT \* FROM js\_preferences WHERE js\_user\_id = @js\_user\_id)

AS preferences

JOIN

( SELECT

job.\*,jp\_master.industry,jp\_master.company\_name,jp\_master.profile\_photo\_url,jp\_master.size\_in\_emp

FROM jp\_master

JOIN

( SELECT \* FROM

( SELECT jp\_job.\*,user\_info.is\_fresher FROM jp\_job

JOIN

( SELECT \* FROM js\_master WHERE js\_user\_id = @js\_user\_id)

AS user\_info

ON

(user\_info.age <= jp\_job.age\_max AND

user\_info.age >= jp\_job.age\_min)

) AS job1

WHERE (job1.is\_fresher = 1 AND job1.exp\_year = 0) OR (job1.is\_fresher = 0 AND job1.exp\_year >= 0)

) AS job

ON

job.jp\_user\_id = jp\_master.jp\_user\_id

) AS job\_info

ON

(job\_info.industry = preferences.industry1 OR job\_info.industry = preferences.industry2 OR job\_info.industry = preferences.industry3)

AND

(job\_info.designation = preferences.designation1 OR job\_info.designation = preferences.designation2 OR job\_info.designation = preferences.designation3)

AND

(job\_info.city = preferences.location1 OR job\_info.city = preferences.location2 OR job\_info.city = preferences.location3)

AND

(job\_info.salary\_avg >= preferences.min\_salary)

AND

(job\_info.size\_in\_emp >= preferences.min\_size\_in\_emp)

ORDER BY

preferences.industry1,preferences.designation1,preferences.location1,

preferences.industry2,preferences.designation2,preferences.location2,

preferences.industry3,preferences.designation3,preferences.location3

**4.3** Search

SELECT DISTINCT state as result FROM jp\_job WHERE state LIKE + @search\_str + '%'

UNION

SELECT DISTINCT city AS result FROM jp\_job WHERE city LIKE + @search\_str + '%'

UNION

SELECT DISTINCT designation AS result FROM jp\_job WHERE designation LIKE + @search\_str + '%'

UNION

SELECT DISTINCT company\_name AS result FROM jp\_master WHERE company\_name LIKE + @search\_str + '%'

UNION

SELECT DISTINCT fname AS result FROM js\_master WHERE fname LIKE + @search\_str + '%'

UNION

SELECT DISTINCT mname AS result FROM js\_master WHERE mname LIKE + @search\_str + '%'

UNION

SELECT DISTINCT lname AS result FROM js\_master WHERE lname LIKE + @search\_str + '%'

UNION

SELECT DISTINCT city AS result FROM js\_master WHERE city LIKE + @search\_str + '%'

UNION

SELECT DISTINCT city AS result FROM jp\_master WHERE city LIKE + @search\_str + '%'

union

SELECT DISTINCT state as result FROM jp\_master WHERE state LIKE + @search\_str + '%'

UNION

SELECT DISTINCT state as result FROM js\_master WHERE state LIKE + @search\_str + '%'

UNION

SELECT DISTINCT industry as result FROM jp\_master WHERE industry LIKE + @search\_str + '%'

**4.4** Notification For Acceptance of Request

SELECT

js\_master.js\_user\_id,js\_master.fname,js\_master.mname,js\_master.lname,js\_master.profile\_photo\_url

FROM

js\_master

JOIN

(SELECT accept\_not.src\_user\_id FROM accept\_not JOIN js\_notification ON accept\_not.not\_id = js\_notification.not\_id AND js\_notification.js\_user\_id = @js\_user\_id AND js\_notification.type\_id = 1)

AS notif

ON js\_master.js\_user\_id = notif.src\_user\_id

**4.5**

1. For Saved Jobs :

SELECT \* FROM

(SELECT jp\_job.\*,company\_name,jp\_master.profile\_photo\_url FROM jp\_job JOIN jp\_master ON jp\_job.jp\_user\_id = jp\_master.jp\_user\_id)

AS job\_cmp

JOIN

(SELECT job\_id FROM js\_saved\_job WHERE js\_user\_id = @js\_user\_id)

AS job

ON job\_cmp.job\_id =job.job\_id

2.For Applied Jobs :

SELECT \* FROM

(SELECT jp\_job.\*,company\_name,jp\_master.profile\_photo\_url FROM jp\_job JOIN jp\_master ON jp\_job.jp\_user\_id = jp\_master.jp\_user\_id)

AS job\_cmp

JOIN

(SELECT job\_id FROM js\_applied\_job WHERE js\_user\_id = @js\_user\_id)

AS job

ON job\_cmp.job\_id =job.job\_id

3.For Approved Jobs :

SELECT \* FROM

(SELECT jp\_job.\*,company\_name,jp\_master.profile\_photo\_url FROM jp\_job JOIN jp\_master ON jp\_job.jp\_user\_id = jp\_master.jp\_user\_id)

AS job\_cmp

JOIN

(SELECT job\_id FROM js\_approved\_job WHERE js\_user\_id = @js\_user\_id)

AS job

ON job\_cmp.job\_id =job.job\_id

4.For Referred Jobs :

SELECT \* FROM

(SELECT jp\_job.\*,company\_name,jp\_master.profile\_photo\_url FROM jp\_job JOIN jp\_master ON jp\_job.jp\_user\_id = jp\_master.jp\_user\_id)

AS job\_cmp

JOIN

(SELECT jobs.\* FROM

jp\_job

JOIN

(SELECT job.job\_id,js\_master.fname,js\_master.mname,js\_master.lname

FROM

js\_master

JOIN

(SELECT job\_id,referred\_by\_id FROM js\_refed\_job WHERE js\_user\_id =

@js\_user\_id)

AS job

ON job.referred\_by\_id = js\_master.js\_user\_id)

AS jobs

ON jobs.job\_id = jp\_job.job\_id)

AS jobss

ON job\_cmp.job\_id = jobss.job\_id

5.Insert Reference Details :

INSERT INTO js\_reference (name,designation,institute\_name,mobile\_no,email,js\_user\_id) VALUES (@nm,@des,@institute,@mob,@mail,@js\_user\_id)

**4.6** Edit Profile

0.Edit Credential :

UPDATE credential SET password=@pw, que=@que, ans=@ans WHERE user\_id=@user\_id

(A)For Job Provider

1.Edit Company Details :

UPDATE jp\_master SET company\_name=@company\_name,description=@description, industry=@industry, street=@street,landmark=@landmark, city=@city ,website\_url=@website\_url, founded\_on\_year =@founded\_on\_year, mobile\_no=@mobile\_no, size\_in\_emp=@size\_in\_emp, pincode=@pincode, state=@state

WHERE jp\_user\_id = user\_id

2.Edit Contact Person Details :

UPDATE jp\_master SET contact\_person=@nm, mobile\_no= @mobile,

email =@email WHERE jp\_user\_id = @user\_id

(B)For Job Seeker

1.Edit Personal Details :

UPDATE js\_master SET fname=@fnm,mname=@mnm,lname=@lnm,gender=@gender,mobile\_no=@mob,email=@email,city=@city,state=@state,street=@street,landmark=@landmark,

pincode=@pincode,dob=@dob,is\_fresher=@fresher,age="+age+",

profile\_photo\_url=pro\_pic\_url WHERE js\_user\_id= user\_id

2.Edit Academic Details :

UPDATE js\_academic SET institute\_name=@i\_n,degree=@degree,is\_percentage=@mark\_type,mark=@mark,pr=@pr,branch=@branch, passing\_year=@passing\_year

WHERE academic\_id=@academic\_id

3.Edit Skill Details :

UPDATE js\_skill SET skill=@skill WHERE skill\_id= @id

4.Edit Project Details :

UPDATE js\_project SET title=@title, team\_size = @size, role =@role, duration=@duration, description= @descr WHERE project\_id= @project

5.Edit Activity Details :

UPDATE js\_activity SET activity=@activity WHERE activity\_id= @id

6.Edit Achievement Details :

UPDATE js\_achievement SET achieved=@achievement WHERE achieve\_id= @id

7.Edit Experience Details :

UPDATE js\_experience SET designation = @designation, institute\_name =@inst\_nm,is\_working=@is\_work,exp\_from=@from,exp\_to=@to,achievement=@achieve,year\_exp=@exp\_yr WHERE exp\_id= @exp\_id

**4.7**

R7.1 : Send Request

INSERT INTO request (src\_user\_id,dest\_user\_id) VALUES

(@user\_id , @dest\_user\_id)

R7.2 : Accept Request

INSERT INTO js\_connection (src\_js\_user\_id,dest\_js\_user\_id)

VALUES (@src\_user\_id, @user\_id )

R7.3 : Decline Request

DELETE FROM request WHERE

(src\_user\_id=@src\_ueser\_id AND dest\_user\_id=@user\_id )

R7.4 : Disconnect

DELETE FROM js\_connection WHERE

(src\_js\_user\_id= @connected\_user\_id AND dest\_js\_user\_id="+user\_id+ ") OR (dest\_js\_user\_id=@connected\_user\_id AND src\_js\_user\_id=" + user\_id)

R7.5 : Refer Job

1.Finding Connections To Refer :

(

SELECT refed\_con.js\_user\_id,refed\_con.fname,refed\_con.mname,refed\_con.lname,refed\_con.profile\_photo\_url,refed\_con.age,refed\_con.city,refed\_con.state,refed\_con.is\_fresher FROM

(SELECT connections1.\*,js\_refed\_job.job\_id FROM

js\_refed\_job

JOIN

(SELECT js\_master.js\_user\_id,js\_master.fname,js\_master.mname,js\_master.lname,js\_master.profile\_photo\_url,js\_master.age,js\_master.city,js\_master.state,js\_master.is\_fresher FROM js\_master JOIN ((SELECT dest\_js\_user\_id as user\_id FROM js\_connection WHERE src\_js\_user\_id = @js\_user\_id) UNION (SELECT src\_js\_user\_id as user\_id FROM js\_connection WHERE dest\_js\_user\_id = @js\_user\_id) ) AS users ON users.user\_id = js\_master.js\_user\_id)

AS connections1 --all connections

ON

js\_refed\_job.js\_user\_id = connections1.js\_user\_id

AND

js\_refed\_job.referred\_by\_id = @js\_user\_id

AND

js\_refed\_job.job\_id != @job\_id)

AS refed\_con

)

UNION

(

--connections to whom user had not referred any job

SELECT \* FROM

(SELECT js\_master.js\_user\_id,js\_master.fname,js\_master.mname,js\_master.lname,js\_master.profile\_photo\_url,js\_master.age,js\_master.city,js\_master.state,js\_master.is\_fresher FROM js\_master JOIN ((SELECT dest\_js\_user\_id as user\_id FROM js\_connection WHERE src\_js\_user\_id = @js\_user\_id) UNION (SELECT src\_js\_user\_id as user\_id FROM js\_connection WHERE dest\_js\_user\_id = @js\_user\_id) ) AS users ON users.user\_id = js\_master.js\_user\_id)

AS connections2 --all connections

WHERE

connections2.js\_user\_id

NOT IN

(SELECT connections3.js\_user\_id FROM

js\_refed\_job

JOIN

(SELECT js\_master.js\_user\_id FROM js\_master JOIN ((SELECT dest\_js\_user\_id as user\_id FROM js\_connection WHERE src\_js\_user\_id = @js\_user\_id) UNION (SELECT src\_js\_user\_id as user\_id FROM js\_connection WHERE dest\_js\_user\_id = @js\_user\_id) ) AS users ON users.user\_id = js\_master.js\_user\_id)

AS connections3 --all connections

ON

js\_refed\_job.js\_user\_id = connections3.js\_user\_id

AND

js\_refed\_job.referred\_by\_id = @js\_user\_id) --connections to whom user has referred jobs)

2.Refer Job :

INSERT INTO js\_refed\_job (job\_id,js\_user\_id,referred\_by\_id) VALUES

(@job\_id,@connected\_user\_id,@user\_id)

**4.8**

R8.1 : Post Job

INSERT INTO jp\_job (jp\_user\_id,designation,description,vacancy,age\_min,age\_max,salary\_avg,exp\_year,post\_date,due\_date,venue\_desc,city,state) VALUES (@user\_id,@designation,@desc,@vacancy,@age\_min,@age\_max,@salary,@exp,

Sys.Date,@due,@venue,@city,@state)

R8.2 : Delete Job

DELETE FROM jp\_job WHERE job\_id =@job\_id

**4.9**

R9.1 : Show Aspirant Profile

SELECT \* FROM js\_master JOIN (SELECT \* FROM js\_applied\_job WHERE job\_id = @job\_id) AS users ON js\_master.js\_user\_id = users.js\_user\_id

R9.1 : Select Aspirant

INSERT INTO js\_approved\_job (js\_user\_id,job\_id) VALUES

(@aspirant\_user\_id,@job\_id)

**Deployment Steps**

1. Create user named ojp\_admin.

**CREATE USER ojp\_admin IDENTIFIED BY MyPassword**

1. Grant permission for connecting to database to user OJP.

**GRANT CONNECT TO ojp\_admin;**

1. Grant permission for creating a session to user ojp\_admin

**GRANT CREATE SESSION GRANT ANY PRIVILEGE TO ojp\_admin;**

1. Allocate hard disk space to user ojp\_admin for creating or modifying database

**GRANT UNLIMITED TABLESPACE TO ojp\_admin;**

1. Drop all tables if already exists in given order js\_reffered\_job, js\_approved\_job, js\_saved\_job, js\_applied\_job, js\_reffered\_job, js\_approved\_job, js\_saved\_job, js\_applied\_job, accept\_not, js\_notification, not\_type, request, js\_connection, jp\_job, js\_master, jp\_master, credential, role.

(Reference Page No. : 11 )

1. Drop all sequences if already exists in given order req\_id, not\_id, type\_id, achieve\_id, academic\_id, exp\_id, project\_id, ref\_id, skill\_id, activity\_id, job\_id, role\_id, user\_id, con\_id.

(Reference Page No. : 11)

1. Create all sequences in given order role\_id, user\_id, con\_id, req\_id, not\_id, type\_id, achieve\_id, academic\_id, exp\_id, project\_id, ref\_id, skill\_id, activity\_id, job\_id.

(Reference Page No. : 11)

1. Create all tables in given order role, credential, js\_master, jp\_master, js\_connection, request, not\_type, js\_notification, accept\_not, js\_academic, js\_skill, js\_experience, js\_project, js\_achievement, js\_activity, js\_reference, jp\_job, js\_reffered\_job, js\_approved\_job, js\_saved\_job, js\_applied\_job.

(Reference Page No. : 11 )

1. Insert initial data in given order role, credential, js\_master, jp\_master, not\_type, js\_academic, js\_skill, js\_experience, js\_project, js\_achievement, js\_activity, js\_reference, jp\_job.

(Reference Page No. : 18 )

1. Commit all changes.

**commit;**

**Summary of Oracle DB features used in my project**

|  |  |
| --- | --- |
| **Oracle Features** | **Is\_Used** |
| Triggers | Yes |
| Sequences | Yes |
| Cursor | No |
| Report | Yes |
| Date & Time | Yes |
| Conversion Function | Yes |
| Join & Cartesian Product | Yes |
| Constrains | Yes |
| Regular Expression Function | Yes |
| Views | No |
| Stored Procedure | Yes |
| Index | No |
| Aggregation & Group By | Yes |
| Subquery | Yes |
| Sorting of data using Group By | Yes |