ONLINE JOB PORTAL

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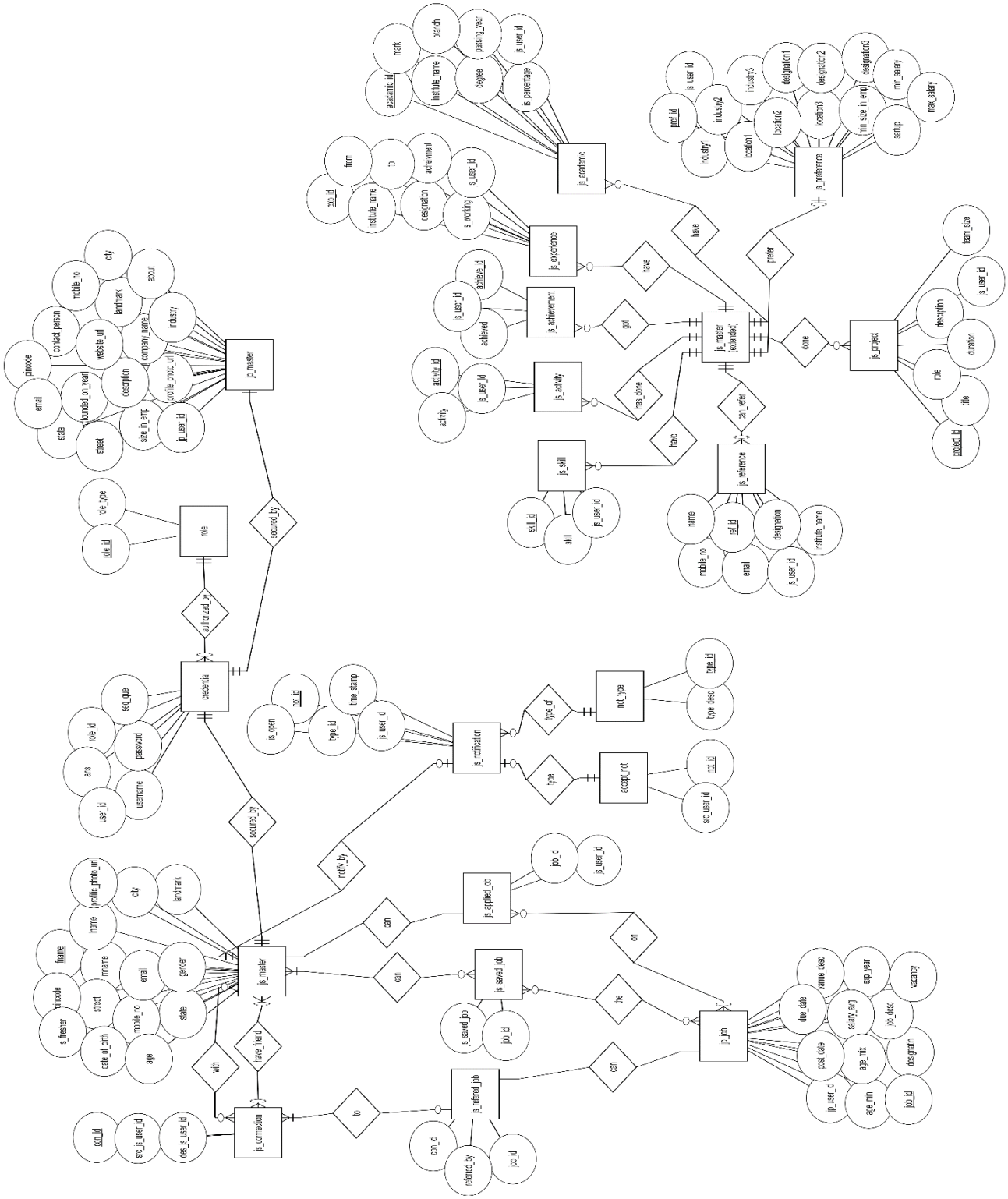
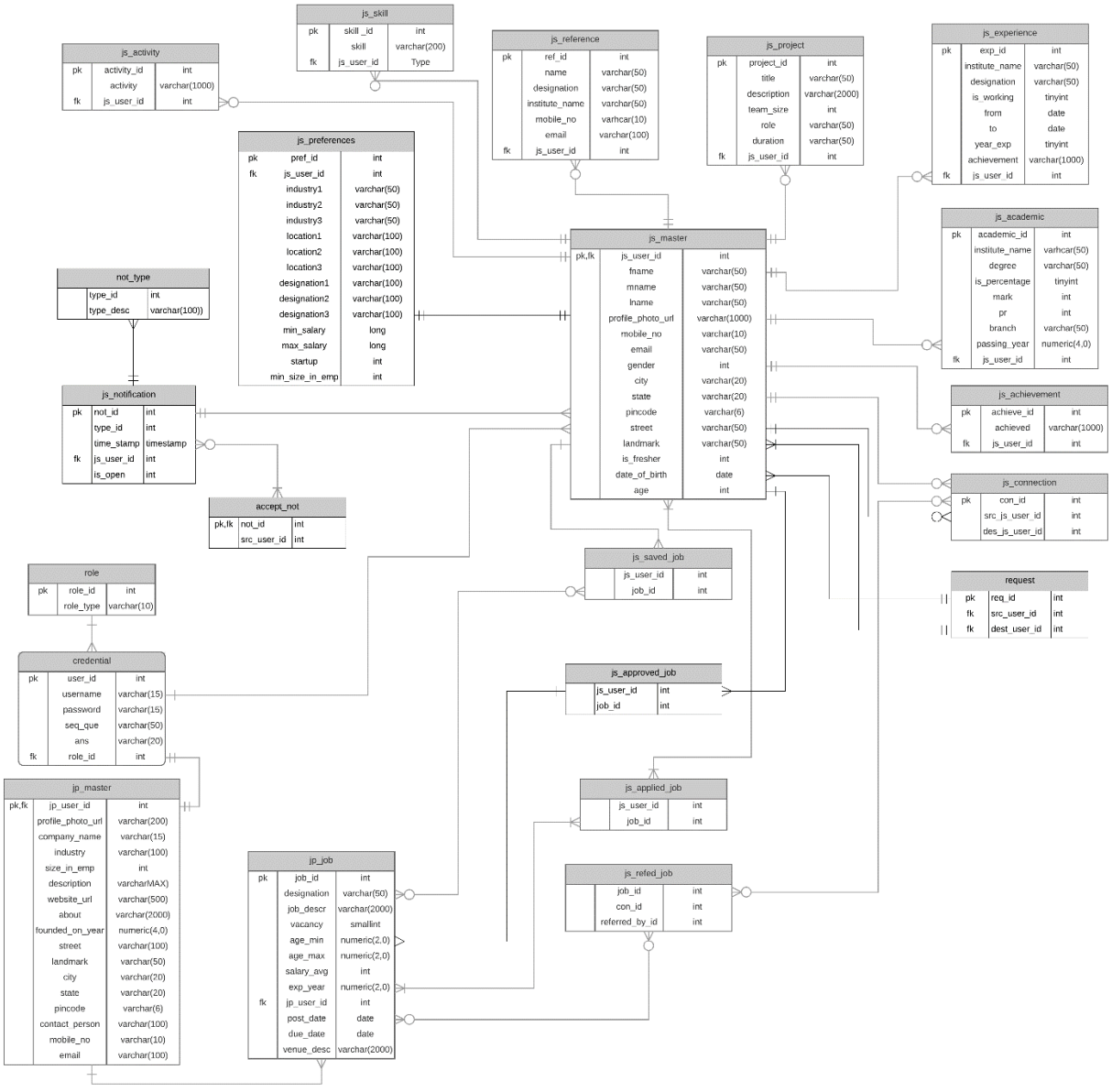
Abbreviations in document:

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

E-R Diagram


js_academic
js_preference
have
prefer
js_experience
have
got
js_achievement
js_master
(extends)
have
can_refer
js_reference
js_activity
has_done
have
js_skill
js_project
team_size
description
duration
role
title
project_id
js_user_id
achieved
achieve_id
achi_id
activity
skill_id
skill
name
ref_id
designation
institute_name
mobile_no
email
js_user_id
pref_id
industry3
industry2
industry1
location3
location2
location1
designation3
designation2
designation1
occupation3
occupation2
min_salary
max_salary
min_size_in_emp
startup
mark
branch
passing_year
assacmic_id
institute_name
degree
js_percentage
js_user_id
from
to
achievment
designation
institute_name
exp_id
is_working
js_user_id
jp_master
city
mobile_no
landmark
accur.
industry
company_name
profile_photo_url
website_url
contact_person
pincode
email
description
founded_on_year
state
street
size_in_emp
jp_user_id
associated_by
role
role_type
role_id
authorized_by
credential
seq_que
role_id
ans
user_id
password
username
secures_by
is_open
con_id
time_stamp
type_id
js_user_id
js_notification
type_of
type
not_type
type_id
type_desc
accept_not
con_id
src_user_id
notify_by
js_master
profile_photo_url
name
fname
mname
lname
pincode
street
is_fresher
date_of_birth
city
landmark
email
gender
mobile_no
state
age
can
can
with
have friend
js_applied_job
job_id
js_user_id
js_saved_job
js_saved_job
job_id
on
the
can
js_job
value_desc
due_date
post_date
jp_user_id
exp_year
salary_avg
age_mix
age_min
vacancy
job_desc
designation
job_id
js_connection
con_id
src_js_user_id
des_js_user_id
to
js_referred_job
con_id
referred_by
job_id

UML DIAGRAM


js_skill
pk skill_id int
skill varchar(200)
fk js_user_id Type
js_activity
pk activity_id int
activity varchar(1000)
fk js_user_id int
js_reference
pk ref_id int
name varchar(50)
designation varchar(50)
institute_name varchar(50)
mobile_no varhcar(10)
email varchar(100)
fk js_user_id int
js_project
pk project_id int
title varchar(50)
description varchar(2000)
team_size int
role varchar(50)
duration varchar(50)
fk js_user_id int
js_experience
pk exp_id int
institute_name varchar(50)
designation varchar(50)
is_working tinyint
from date
to date
year_exp tinyint
achievement varchar(1000)
fk js_user_id int
js_preferences
pk pref_id int
fk js_user_id int
industry1 varchar(50)
industry2 varchar(50)
industry3 varchar(50)
location1 varchar(100)
location2 varchar(100)
location3 varchar(100)
designation1 varchar(100)
designation2 varchar(100)
designation3 varchar(100)
min_salary long
max_salary long
startup int
min_size_in_emp int
js_master
pk,fk js_user_id int
fname varchar(50)
mname varchar(50)
lname varchar(50)
profile_photo_url varchar(1000)
mobile_no varchar(10)
email varchar(50)
gender int
city varchar(20)
state varchar(20)
pincode varchar(6)
street varchar(50)
landmark varchar(50)
is_fresher int
date_of_birth date
age int
js_academic
pk academic_id int
institute_name varhcar(50)
degree varchar(50)
is_percentage tinyint
mark int
pr int
branch varchar(50)
passing_year numeric(4,0)
fk js_user_id int
not_type
type_id int
type_desc varchar(100))
js_notification
pk not_id int
type_id int
time_stamp timestamp
fk js_user_id int
is_open int
accept_not
pk,fk not_id int
src_user_id int
js_achievement
pk achieve_id int
achieved varchar(1000)
fk js_user_id int
js_connection
pk con_id int
src_js_user_id int
des_js_user_id int
role
pk role_id int
role_type varchar(10)
js_saved_job
js_user_id int
job_id int
request
pk req_id int
fk src_user_id int
fk dest_user_id int
credential
pk user_id int
username varchar(15)
password varchar(15)
seq_que varchar(50)
ans varchar(20)
fk role_id int
js_approved_job
js_user_id int
job_id int
jp_master
pk,fk jp_user_id int
profile_photo_url varchar(200)
company_name varchar(15)
industry varchar(100)
size_in_emp int
description varcharMAX)
website_url varchar(500)
about varchar(2000)
founded_on_year numeric(4,0)
street varchar(100)
landmark varchar(50)
city varchar(20)
state varchar(20)
pincode varchar(6)
contact_person varchar(100)
mobile_no varchar(10)
email varchar(100)
jp_job
pk job_id int
designation varchar(50)
job_descr varchar(2000)
vacancy smallint
age_min numeric(2,0)
age_max numeric(2,0)
salary_avg int
exp_year numeric(2,0)
fk jp_user_id int
post_date date
due_date date
venue_desc varchar(2000)
js_applied_job
js_user_id int
job_id int
js_refed_job
job_id int
con_id int
referred_by_id int

DATA DICTIONARY

- **C(my_regex) = (CHECK(REGEXP_LIKE(field_name, my_regex))**

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		-

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

NOT_TYPE				
Sr.no	**Field name**	**Data type**	**Width**	**Constraint**
1	Type_id	Int		PRIMARY KEY NOT NULL
2	Type_desc	Varchar	100	NOT NULL

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

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 intNOT NULL,
  des_user_id intNOT 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,cit
y,state,pincode,street,landmark,is_fresher,date_of_birth,age)
VALUES
(1,"Jaydeep","V","Patel","/project/proPics,1.jpeg",9832453322,"mymail23@gm
ail.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,cit
y,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,loca
tion3,designation1,designation2,designation3,min_salary,max_salary,startup
,min_sizein_emp)
VALUES
(pref_id.NEXTVAL,1,"IT",NULL,NULL,"DEVELOPER",NULL,NULL,25000,40000,0,3500
0);

INSERT INTO js_preference
(pref_id,js_user_id,industry1,industry2,industry3,location1,location2,loca
tion3,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_ye
ar,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_ye
ar,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,descriptio
n,website_url,about,founded_on_year,street,landmark,city,state,pincode,con
tact_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,descriptio
n,website_url,about,founded_on_year,street,landmark,city,state,pincode,con
tact_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.ln
      ame,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=@a
chieve,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_ph
oto_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_ph
oto_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_ph
oto_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
```

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

```
GRANT CONNECT TO ojp_admin;
```

3. Grant permission for creating a session to user ojp_admin

```
GRANT CREATE SESSION GRANT ANY PRIVILEGE TO ojp_admin;
```

4. Allocate hard disk space to user ojp_admin for creating or modifying database

```
GRANT UNLIMITED TABLESPACE TO ojp_admin;
```

5. 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)

6. 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)

7. 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)

8. 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)

9. 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)

10. 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