

CS 313

**Databases and Information
Systems Laboratory**

Project 2

**200010021
200010022**

Login Page :

Welcome to Career Boost

Company Login

Login as a Company

User Login

Login as a User

Login Form for Portal User :

Welcome to Career Boost

User ID

Karthik Jagadeesh Ponarkar

Password

...

Login

Cancel

Don't have an account ? [Register](#)

Login Form for Portal Company :

Welcome to Career Boost

Company ID

Karthik Jagadeesh Ponarkar

Password

...

Login

Cancel

Don't have an account ? [Register](#)

Sign Up form for Portal User :

Register

User ID:

10101

User Name:

Karthik Jagadeesh Ponarkar

Email:

karthikjagadeeshponarkar@gmail.com

Password:

...

Submit

Sign Up form for Portal Company :

Register

Company ID:

10101

Company Name:

Amazon

Email:

karthikjagadeeshponarkar@gmail.com

Password:

...

Submit

Home page for Portal User :



Karthik Jagadeesh Ponarkar

@PortalUser | User ID :1

karthikjagadeeshponarkar@gmail.com

Search for JOBS >>

Apply for a JOB >>

Update your Skills >>

Check Status

Home Page for Portal Company :



Amazon

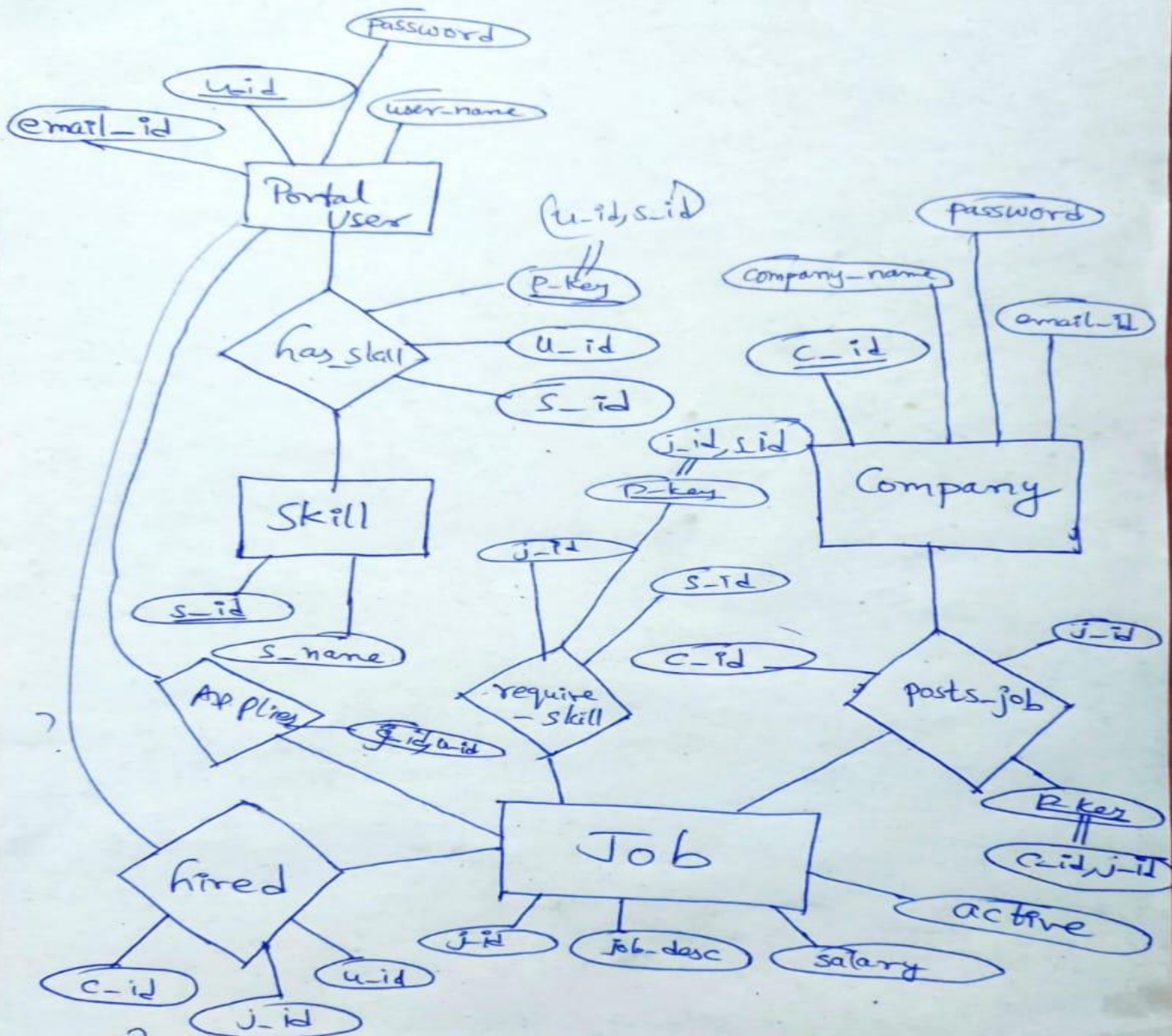
@PortalCompany | Company ID : 1

karthikjagadeeshponarkar@gmail.com

Post a JOB >>

Select Candidate for a JOB >>

Entity Relationship Model of the Database :



DDL Queries for relational schemas along with integrity constraints:

```
USE JobsData;
```

```
CREATE TABLE PortalUser (  
    u_id      VARCHAR(10),  
    user_name VARCHAR(30) NOT NULL,  
    password  VARCHAR(20) NOT NULL,  
    email_id  VARCHAR(50) NOT NULL,  
  
    PRIMARY KEY(u_id)  
);
```

```
CREATE TABLE Company (  
    c_id      VARCHAR(10),  
    company_name VARCHAR(30) NOT NULL,  
    password  VARCHAR(20) NOT NULL,  
    email_id  VARCHAR(50) NOT NULL,  
  
    PRIMARY KEY(c_id)  
);
```

```
USE JobsData;
```

```
CREATE TABLE Skill (  
    s_id VARCHAR(10),  
    skill_name VARCHAR(20) NOT NULL,  
  
    PRIMARY KEY(s_id)  
);
```

```
CREATE TABLE Job (  
    j_id VARCHAR(10),  
    job_description VARCHAR(30) NOT NULL,  
    salary INT NOT NULL,  
    active VARCHAR(2) NOT NULL,  
  
    CHECK (active in ("T","F")),  
    PRIMARY KEY(j_id)  
);
```

```
CREATE TABLE has_skill (  
    u_id VARCHAR(10) NOT NULL,  
    s_id VARCHAR(10) NOT NULL,  
  
    PRIMARY KEY(u_id, s_id),  
    FOREIGN KEY (u_id) REFERENCES PortalUser(u_id),  
    FOREIGN KEY (s_id) REFERENCES Skill(s_id)  
);
```

```
CREATE TABLE posts_job (  
    c_id VARCHAR(10) NOT NULL,  
    j_id VARCHAR(10) NOT NULL,  
  
    PRIMARY KEY(c_id, j_id),  
    FOREIGN KEY (c_id) REFERENCES Company(c_id),  
    FOREIGN KEY (j_id) REFERENCES Job(j_id)  
);
```

```
CREATE TABLE require_skill (  
    s_id VARCHAR(10) NOT NULL,  
    j_id VARCHAR(10) NOT NULL,  
  
    PRIMARY KEY(s_id, j_id),  
    FOREIGN KEY (s_id) REFERENCES Skill(s_id),  
    FOREIGN KEY (j_id) REFERENCES Job(j_id)  
);  
  
CREATE TABLE hired (  
    c_id VARCHAR(10) NOT NULL,  
    j_id VARCHAR(10) NOT NULL,  
    u_id VARCHAR(10) NOT NULL,  
  
    PRIMARY KEY(c_id, j_id, u_id),  
    FOREIGN KEY (c_id) REFERENCES Company(c_id),  
    FOREIGN KEY (j_id) REFERENCES Job(j_id),  
    FOREIGN KEY (u_id) REFERENCES PortalUser(u_id)  
);
```

Updating the skills of Portal User :

Activities Chromium Web Browser Oct 31 00:12 User Home - Chromium

User Home x +

localhost:8080/CareerBoost/Login

Apply for a job >>

123

Apply

Update your Skills >>

1

2

3

4

5

Update

Before Update :

```
abhishekj@Abhishek-Ubuntu:~$ mysql -u JobPortal -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 37
Server version: 8.0.31-0ubuntu0.22.04.1 (Ubuntu)

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement

mysql> select * from has_skill;
ERROR 1046 (3D000): No database selected
mysql> USE JobsData;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from has_skill;
+-----+-----+
| u_id | s_id |
+-----+-----+
| abhi | 1    |
+-----+-----+
1 row in set (0.00 sec)

mysql> -
```

After update :

```
abhishekj@Abhishek-Ubuntu:~$ mysql -u JobPortal -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 28
Server version: 8.0.31-0ubuntu0.22.04.1 (Ubuntu)

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement

mysql> USE JobsData;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from has_skill;
+-----+-----+
| u_id | s_id |
+-----+-----+
| abhi | 1    |
| abhi | 2    |
| abhi | 3    |
| abhi | 4    |
| abhi | 5    |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

Thank You