



Varendra University

Department of
Computer Science & Engineering



Course Title: Database Management System Lab

Course Code: CSE 313

Date of Submission:

Topic: E-R Diagram
Website: JOB PORTAL

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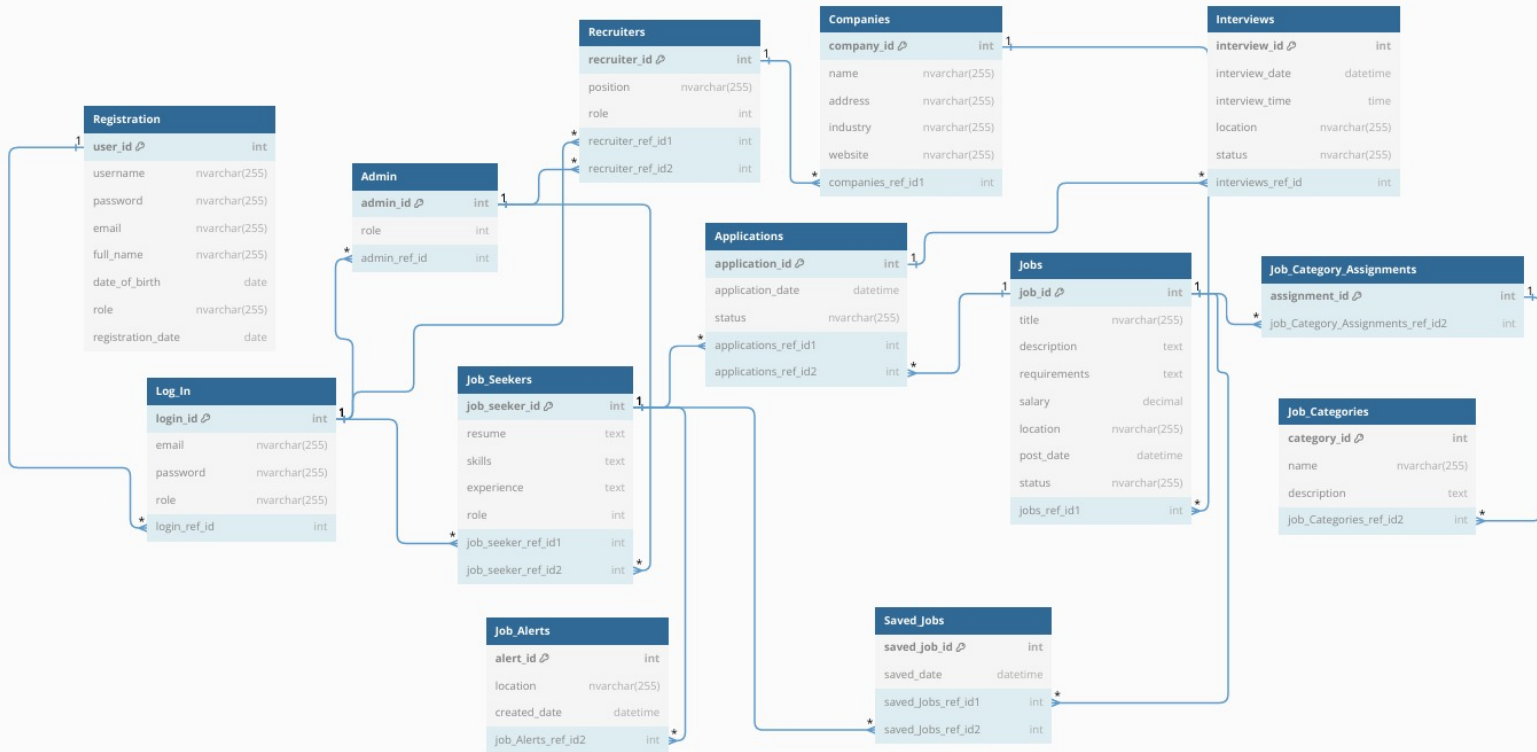
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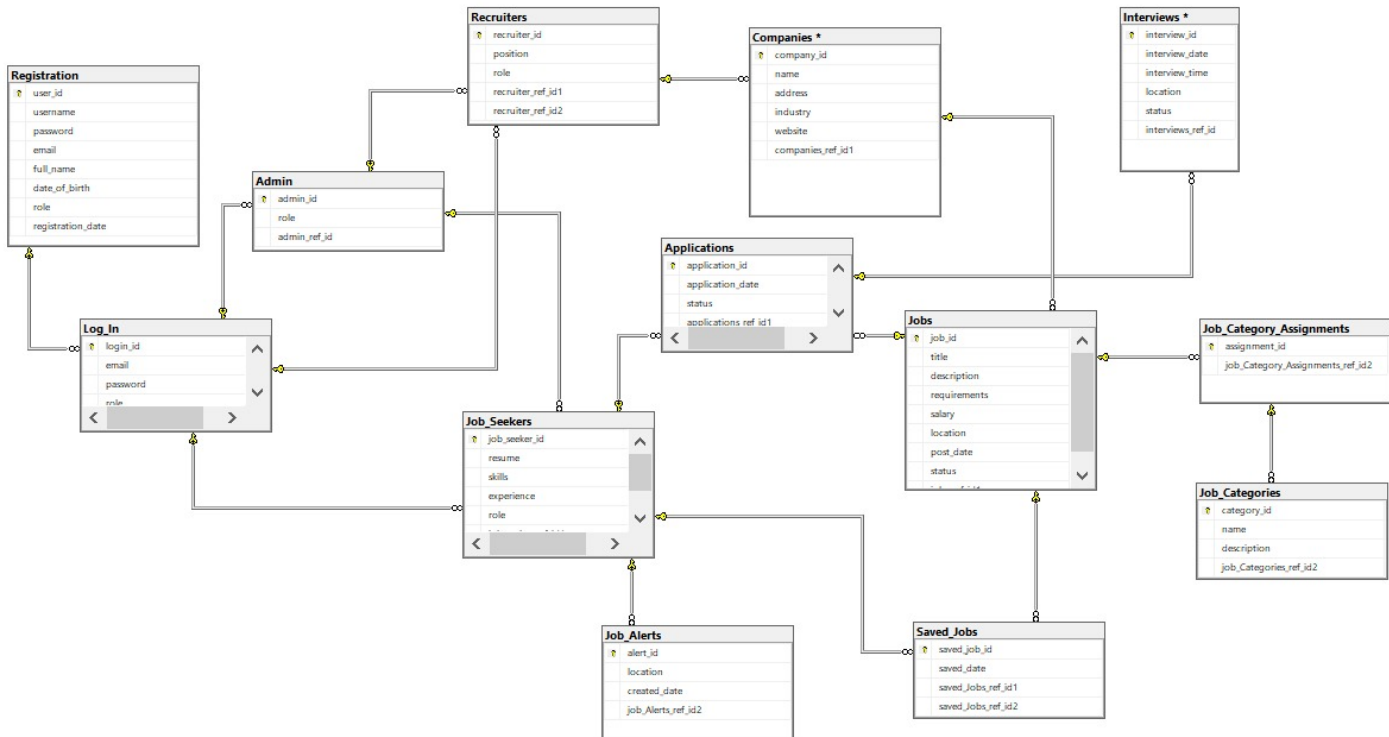
Semester: 6th
Section: B
Batch: 30th

Submitted To

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Topic: E-R Diagram Code.

```
CREATE DATABASE ASSIGNMENT;
```

```
USE ASSIGNMENT;
```

```
CREATE TABLE Registration (  
    user_id INT PRIMARY KEY IDENTITY(1, 1),  
    username VARCHAR(255),  
    password VARCHAR(255),  
    email VARCHAR(255),  
    full_name VARCHAR(255),  
    date_of_birth DATE,  
    role VARCHAR(255),  
    registration_date DATE  
);
```

```
CREATE TABLE Log_In (  
    login_id INT PRIMARY KEY IDENTITY(1, 1),  
    email VARCHAR(255),  
    password VARCHAR(255),  
    role VARCHAR(255),  
    login_ref_id INT FOREIGN KEY REFERENCES Registration(user_id)  
);
```

```
CREATE TABLE Admin (  
    admin_id INT PRIMARY KEY,  
    role INT DEFAULT 0,  
    admin_ref_id INT FOREIGN KEY REFERENCES Log_In(login_id),  
);
```

```
CREATE TABLE Job_Seekers (  
    job_seeker_id INT PRIMARY KEY,  
    resume TEXT,  
    skills TEXT,  
    experience TEXT,  
    role TEXT DEFAULT 2,  
    job_seeker_ref_id1 INT FOREIGN KEY REFERENCES Log_In(login_id),  
    job_seeker_ref_id2 INT FOREIGN KEY REFERENCES Admin(admin_id)
```

);

```
CREATE TABLE Recruiters (  
  recruiter_id INT PRIMARY KEY,  
  position VARCHAR(255),  
  role INT DEFAULT 3,  
  recruiter_ref_id1 INT FOREIGN KEY REFERENCES Log_In(login_id),  
  recruiter_ref_id2 INT FOREIGN KEY REFERENCES Admin(admin_id)  
);
```

```
CREATE TABLE Companies (  
  company_id INT PRIMARY KEY IDENTITY(1, 1),  
  name VARCHAR(255),  
  address VARCHAR(255),  
  industry VARCHAR(255),  
  website VARCHAR(255),  
  companies_ref_id1 INT FOREIGN KEY REFERENCES Recruiters(recruiter_id),  
);
```

```
CREATE TABLE Jobs (  
  job_id INT PRIMARY KEY IDENTITY(1, 1),  
  title VARCHAR(255),  
  description TEXT,  
  requirements TEXT,  
  salary DECIMAL,  
  location VARCHAR(255),  
  post_date DATETIME,  
  status VARCHAR(255),  
  jobs_ref_id1 INT FOREIGN KEY REFERENCES Companies(company_id)  
);
```

```
CREATE TABLE Applications (  
  application_id INT PRIMARY KEY IDENTITY(1, 1),  
  application_date DATETIME,  
  status VARCHAR(255),  
  applications_ref_id1 INT FOREIGN KEY REFERENCES Job_Seekers(job_seeker_id),  
  applications_ref_id2 INT FOREIGN KEY REFERENCES Jobs(job_id)  
);
```

```
CREATE TABLE Job_Category_Assignments (  
  assignment_id INT PRIMARY KEY IDENTITY(1, 1),  
  job_Category_Assignments_ref_id2 INT FOREIGN KEY REFERENCES Jobs(job_id)  
);
```

```
CREATE TABLE Job_Categories (  
  category_id INT PRIMARY KEY IDENTITY(1, 1),  
  name VARCHAR(255),  
  description TEXT,  
  job_Categories_ref_id2 INT FOREIGN KEY REFERENCES  
Job_Category_Assignments(assignment_id)  
);
```

```
CREATE TABLE Saved_Jobs (  
  saved_job_id INT PRIMARY KEY IDENTITY(1, 1),  
  saved_date DATETIME,  
  saved_Jobs_ref_id1 INT FOREIGN KEY REFERENCES Jobs(job_id),  
  saved_Jobs_ref_id2 INT FOREIGN KEY REFERENCES Job_Seekers(job_seeker_id)  
);
```

```
CREATE TABLE INTerviews (  
  INTerview_id INT PRIMARY KEY IDENTITY(1, 1),  
  INTerview_date DATETIME,  
  INTerview_TIME TIME,  
  location VARCHAR(255),  
  status VARCHAR(255),  
  INTerviews_ref_id INT FOREIGN KEY REFERENCES Applications(application_id),  
  INTerviews_ref_id2 INT FOREIGN KEY REFERENCES Companies(company_id)  
);
```

```
CREATE TABLE Job_Alerts (  
  alert_id INT PRIMARY KEY IDENTITY(1, 1),  
  location VARCHAR(255),  
  created_date DATETIME,  
  job_Alerts_ref_id2 INT FOREIGN KEY REFERENCES Job_Seekers(job_seeker_id)  
);
```