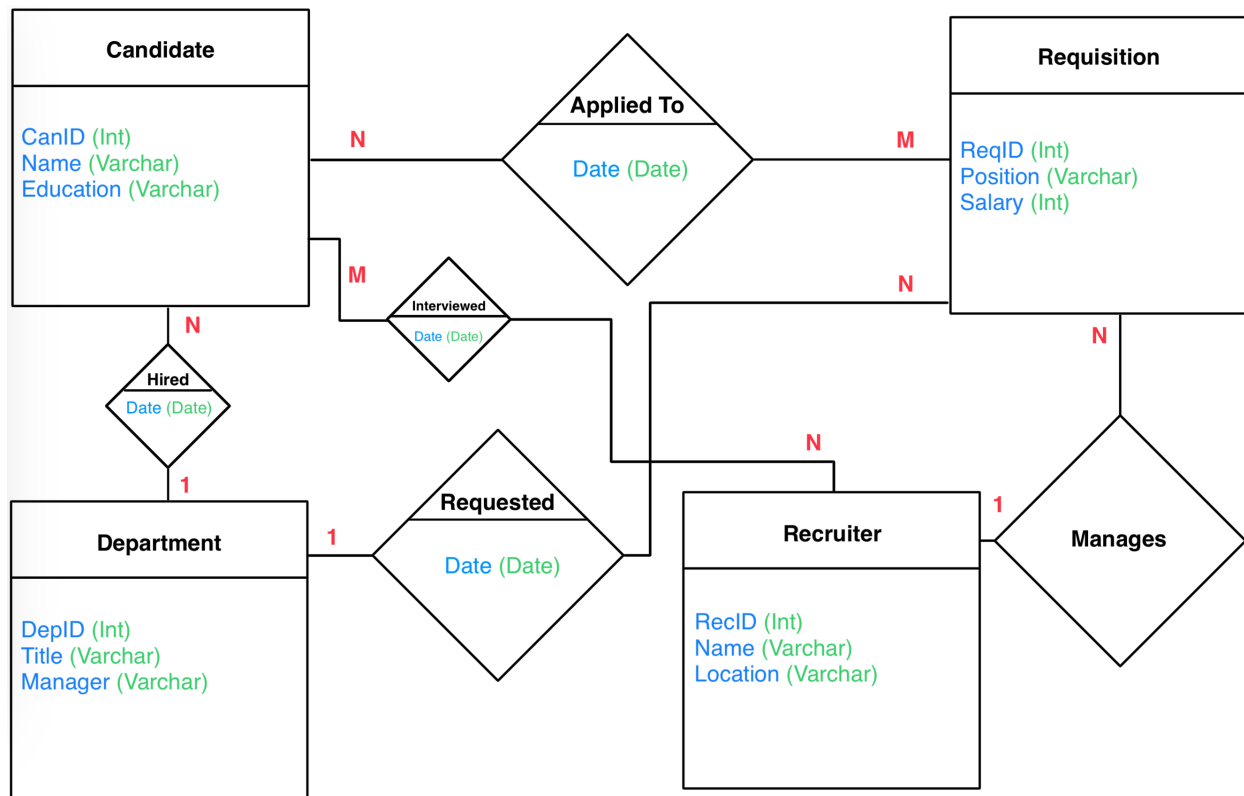


Assignment 3: Step 2 of Your PDA (Personal Database Application)



A)

Candidates (**CanID**, Name, Education)

Requisitions (**ReqID**, DepID, RecID, Position, Salary, DateOpen, DateClose)

Departments (**DepID**, Title, Manager)

Recruiters (**RecID**, Name, Location)

AppliedTo (**CanID**, **ReqID**, **Date**)

Interviewed (**RecID**, **CanID**, **Date**)

B)

```
mysql> show databases;
```

```
+-----+
| Database |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
```

4 rows in set (0.00 sec)

```
mysql> create database HR;
```

Query OK, 1 row affected (0.00 sec)

```
mysql> show databases;
```

```
+-----+
| Database |
+-----+
| HR       |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> use HR;
```

```
Database changed
```

```
mysql> show tables;
```

```
Empty set (0.01 sec)
```

```
mysql> create table Candidates (canID int primary key, name varchar(20) not null,
education varchar(20));
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_hr |
+-----+
| Candidates   |
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> describe Candidates;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| canID | int       | NO   | PRI | NULL    |       |
| name  | varchar(20) | NO   |     | NULL    |       |
| education | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

```
3 rows in set (0.00 sec)
```

```
mysql> create table Requisitions (reqID int primary key, deplID int not null, reclID int not
null, position varchar(20) not null, salary varchar(20), dateOpen date not null, dateClose
date not null);
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_hr |
+-----+
| Candidates |
| Requisitions |
+-----+
2 rows in set (0.01 sec)
```

```
mysql> describe Requisitions;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| reqID | int | NO | PRI | NULL | |
| depID | int | NO | | NULL | |
| recID | int | NO | | NULL | |
| position | varchar(20) | NO | | NULL | |
| salary | varchar(20) | YES | | NULL | |
| dateOpen | date | NO | | NULL | |
| dateClose | date | NO | | NULL | |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> create table Departments (depID int primary key, title varchar(20) not null,
manager varchar(20));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> show tables;
+-----+
| Tables_in_hr |
+-----+
| Candidates |
| Departments |
| Requisitions |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe Departments;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| depID | int | NO | PRI | NULL | |
| title | varchar(20) | NO | | NULL | |
| manager | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> create table Recruiters (recID int primary key, name varchar(20) not null,
location varchar(20));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_hr |
+-----+
| Candidates   |
| Departments  |
| Recruiters   |
| Requisitions |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> describe Recruiters;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| recID | int       | NO   | PRI | NULL    |       |
| name  | varchar(20) | NO   |     | NULL    |       |
| location | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

C)

```
mysql> insert into Candidates values(001, "John", "MBA");
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into Candidates values(002, "Jane", "PhD");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Candidates values(003, "Joe", "MS");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from Candidates;
```

```
+-----+-----+-----+
| canID | name | education |
+-----+-----+-----+
| 1 | John | MBA      |
| 2 | Jane | PhD      |
| 3 | Joe  | MS       |
+-----+-----+-----+
3 rows in set (0.01 sec)
```