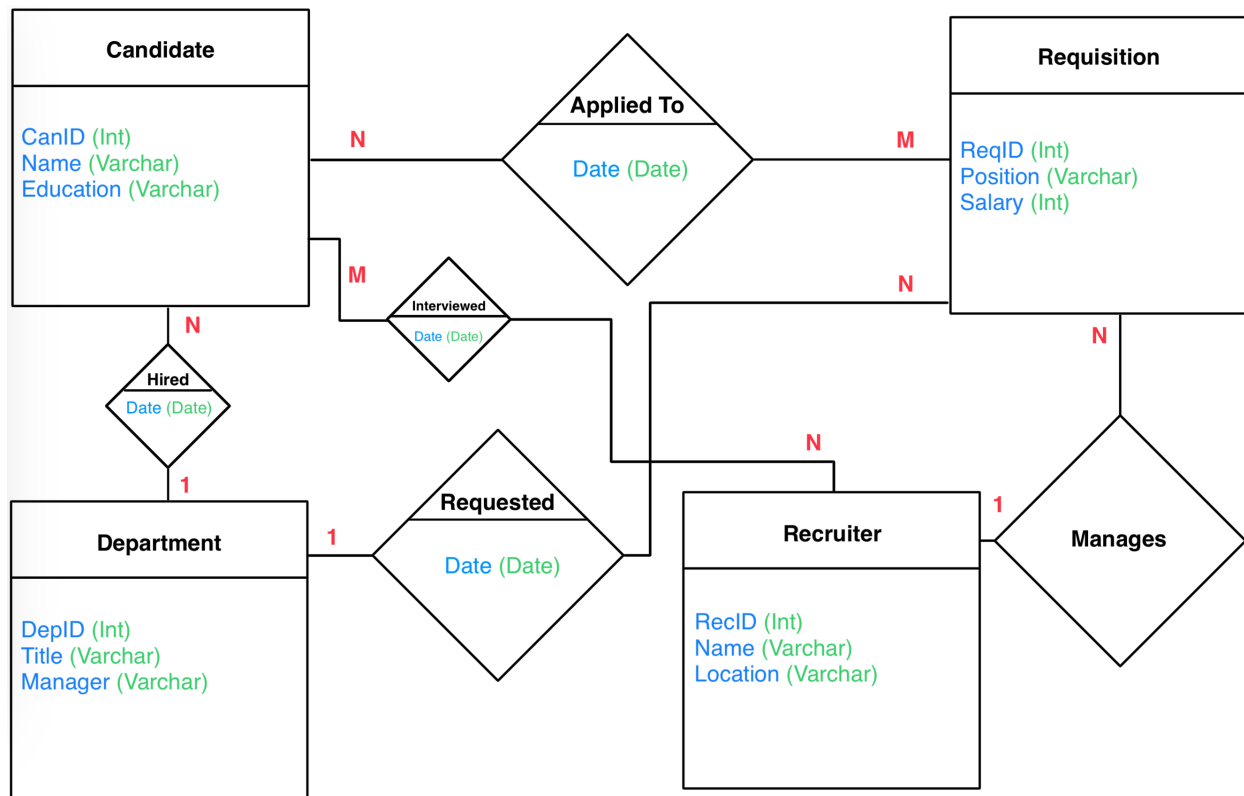


## Assignment 4: Step 3 of Your PDA (Personal Database Application)



Candidates (**canID**, recName, education)  
Requisitions (**reqID**, depID, recID, title, salary, opnDate, endDate)  
Departments (**depID**, depName, manager)  
Recruiters (**recID**, reqName, location)  
AppliedTo (**canID**, **reqID**, **appDate**)  
Interviewed (**canID**, **recID**, **intDate**)

### Pre-Loading

```
mysql> show databases;
```

Database
HR
information_schema
mysql
performance_schema
sys
TEST

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

```
mysql> use HR;  
Database changed
```

```
mysql> show tables;  
Empty set (0.00 sec)
```

```
mysql> source /Users/Home/Documents/Michael_Ghattas/School/DU/MS/  
Class/2024/Winter/COMP_3421/Assessments/4/data/dataLoader.txt;  
Query OK, 0 rows affected (0.00 sec)
```

```
Query OK, 0 rows affected (0.02 sec)
```

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

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

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

```
Query OK, 0 rows affected (0.00 sec)
```

```
Query OK, 0 rows affected (0.00 sec)
```

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

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

```
Query OK, 0 rows affected (0.00 sec)
```

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

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

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

```
Query OK, 17500 rows affected (0.18 sec)  
Records: 17500 Deleted: 0 Skipped: 0 Warnings: 0
```

```
Query OK, 10000 rows affected, 1004 warnings (0.16 sec)  
Records: 10000 Deleted: 0 Skipped: 0 Warnings: 1004
```

```
Query OK, 12500 rows affected (0.16 sec)  
Records: 12500 Deleted: 0 Skipped: 0 Warnings: 0
```

```
Query OK, 15000 rows affected, 628 warnings (0.38 sec)  
Records: 15000 Deleted: 0 Skipped: 0 Warnings: 628
```

```
Query OK, 20000 rows affected (0.41 sec)  
Records: 20000 Deleted: 0 Skipped: 0 Warnings: 0
```

Query OK, 10000 rows affected (0.22 sec)  
Records: 10000 Deleted: 0 Skipped: 0 Warnings: 0

## 1) (Show\_Tables)

```
mysql> show tables;
```

Tables_in_hr
AppliedTo
Candidates
Departments
Interviewed
Recruiters
Requisitions

6 rows in set (0.00 sec)

## 2 (Describe Table\_Name)

```
mysql> describe AppliedTo;
```

Field	Type	Null	Key	Default	Extra
canID	varchar(20)	NO	PRI	NULL	
reqID	varchar(20)	NO	PRI	NULL	
appDate	date	NO	PRI	NULL	

3 rows in set (0.00 sec)

```
mysql> describe Candidates;
```

Field	Type	Null	Key	Default	Extra
canID	varchar(20)	NO	PRI	NULL	
canName	varchar(20)	NO		NULL	
education	varchar(20)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> describe Departments;
```

Field	Type	Null	Key	Default	Extra
depID	varchar(20)	NO	PRI	NULL	
depName	varchar(20)	NO		NULL	
manager	varchar(20)	YES		NULL	

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

```
mysql> describe Interviewed;
```

```
+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| canID      | varchar(20)   | NO   | PRI | NULL    |       |
| recID      | varchar(20)   | NO   | PRI | NULL    |       |
| intDate    | date          | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+
```

3 rows in set (0.01 sec)

```
mysql> describe Recruiters;
```

```
+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| recID      | varchar(20)   | NO   | PRI | NULL    |       |
| recName    | varchar(20)   | NO   |     | NULL    |       |
| location   | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> describe Requisitions;
```

```
+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| reqID      | varchar(20)   | NO   | PRI | NULL    |       |
| depID      | varchar(20)   | NO   | MUL | NULL    |       |
| recID      | varchar(20)   | NO   | MUL | NULL    |       |
| title      | varchar(20)   | YES  |     | NULL    |       |
| salary     | int           | YES  |     | NULL    |       |
| opnDate    | date          | NO   |     | NULL    |       |
| endDate    | date          | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+
```

7 rows in set (0.01 sec)

### 3) (Show Table\_Count)

```
mysql> select count(*) from AppliedTo;
```

```
+-----+
| count(*) |
+-----+
|      20000 |
+-----+
```

1 row in set (0.01 sec)

```
mysql> select count(*) from Candidates;
```

```

+-----+
| count(*) |
+-----+
|    17500 |
+-----+

```

1 row in set (0.01 sec)

mysql> select count(\*) from Departments;

```

+-----+
| count(*) |
+-----+
|    10000 |
+-----+

```

1 row in set (0.00 sec)

mysql> select count(\*) from Interviewed;

```

+-----+
| count(*) |
+-----+
|    10000 |
+-----+

```

1 row in set (0.00 sec)

mysql> select count(\*) from Recruiters;

```

+-----+
| count(*) |
+-----+
|    12500 |
+-----+

```

1 row in set (0.00 sec)

mysql> select count(\*) from Requisitions;

```

+-----+
| count(*) |
+-----+
|    15000 |
+-----+

```

1 row in set (0.00 sec)

#### 4) (Show Table\_Rows)

mysql> select \* from AppliedTo limit 7;

```

+-----+-----+-----+
| canID | reqID | appDate |
+-----+-----+-----+
| c14   | q10   | 2024-01-20 |
| c1789 | q100  | 2024-01-05 |
| c13114 | q1000 | 2024-01-03 |

```

c14869	q1000	2024-01-03
c12902	q10002	2024-01-13
c1351	q10002	2024-01-11
c14804	q10003	2024-01-05

7 rows in set (0.00 sec)

mysql> select \* from Candidates limit 7;

canID	canName	education
c1	Donald	BS/BA
c10	Patricia	PhD
c100	Christopher	PhD
c1000	Betty	PhD
c10000	Jennifer	HS/GED
c10001	Dorothy	HS/GED
c10002	Donna	PhD

7 rows in set (0.00 sec)

mysql> select \* from Departments limit 7;

depID	depName	manager
d1	Marketing	Amanda
d10	Marketing	Andrew
d100	Sales	Jessica
d1000	Legal	Kenneth
d10000	Engineering	Carol
d1001	Sales	Christopher
d1002	Marketing	Elizabeth

7 rows in set (0.00 sec)

mysql> select \* from Interviewed limit 7;

canID	recID	intDate
c7562	r10	2024-01-14
c1867	r100	2024-01-18
c13782	r10000	2024-01-17
c17008	r10000	2024-01-16
c13954	r10001	2024-01-20
c12339	r10004	2024-01-13
c15556	r10004	2024-01-06

7 rows in set (0.00 sec)

```
mysql> select * from Recruiters limit 7;
```

recID	recName	location
r1	James	Delaware
r10	Sandra	Alabama
r100	Karen	Wisconsin
r1000	Jessica	Arizona
r10000	Joseph	Missouri
r10001	Joseph	Kansas
r10002	Kimberly	Michigan

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

```
mysql> select * from Requisitions limit 7;
```

reqID	depID	recID	title	salary	opnDate	endDate
q1	d9367	r2230	Data Scientist	128940	2024-01-10	2024-01-30
q10	d7873	r5766	Sales Manager	82571	2024-01-10	2024-01-22
q100	d6718	r852	Financial Analyst	95167	2024-01-05	2024-01-11
q1000	d942	r5793	Financial Analyst	87055	2024-01-05	2024-01-26
q10000	d1244	r1307	Marketing Manager	79388	2024-01-08	2024-01-15
q10001	d1907	r9605	Marketing Manager	116061	2024-01-09	2024-01-21
q10002	d2151	r640	CTO	219180	2024-01-07	2024-01-25

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

**END.**