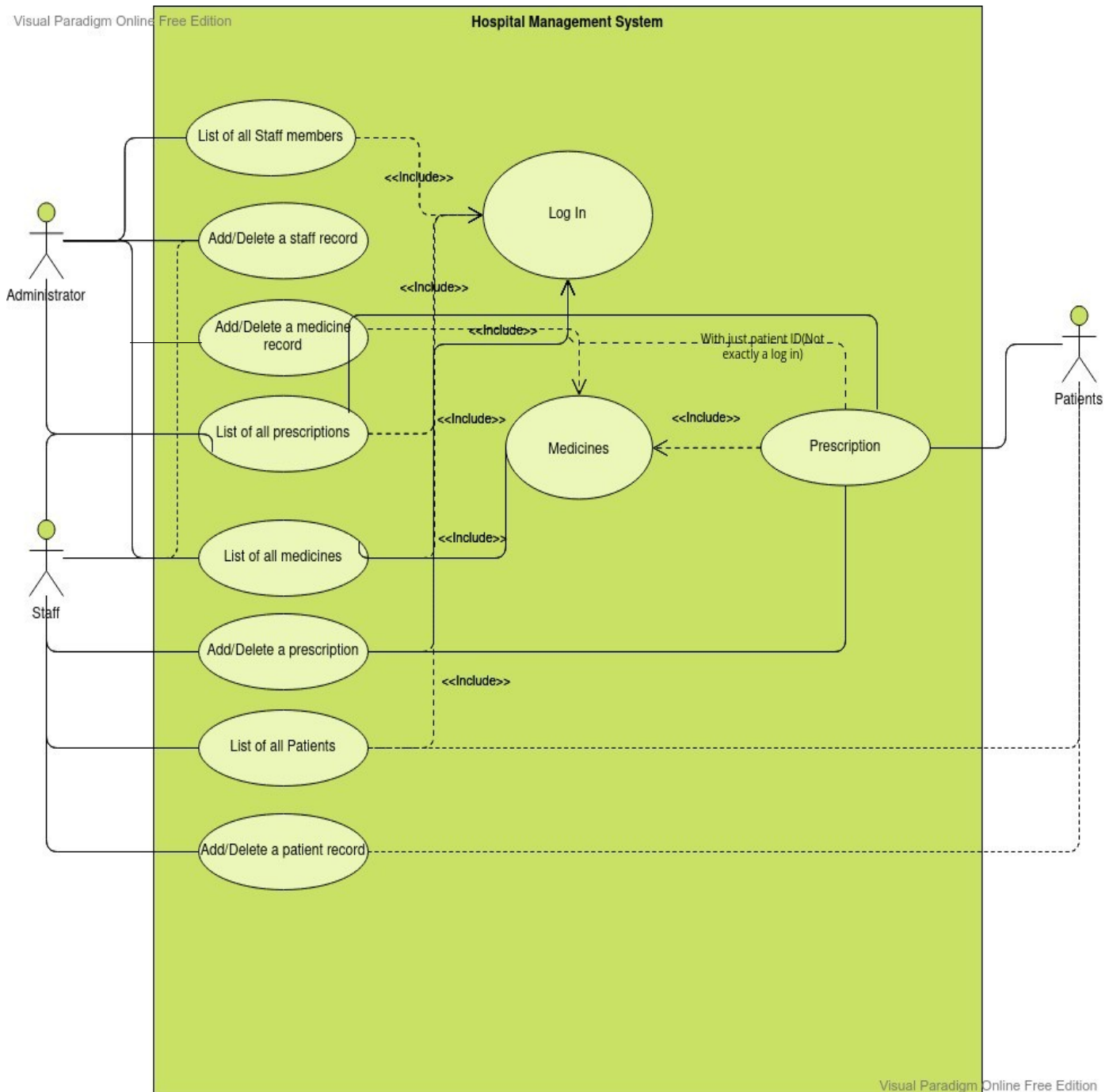


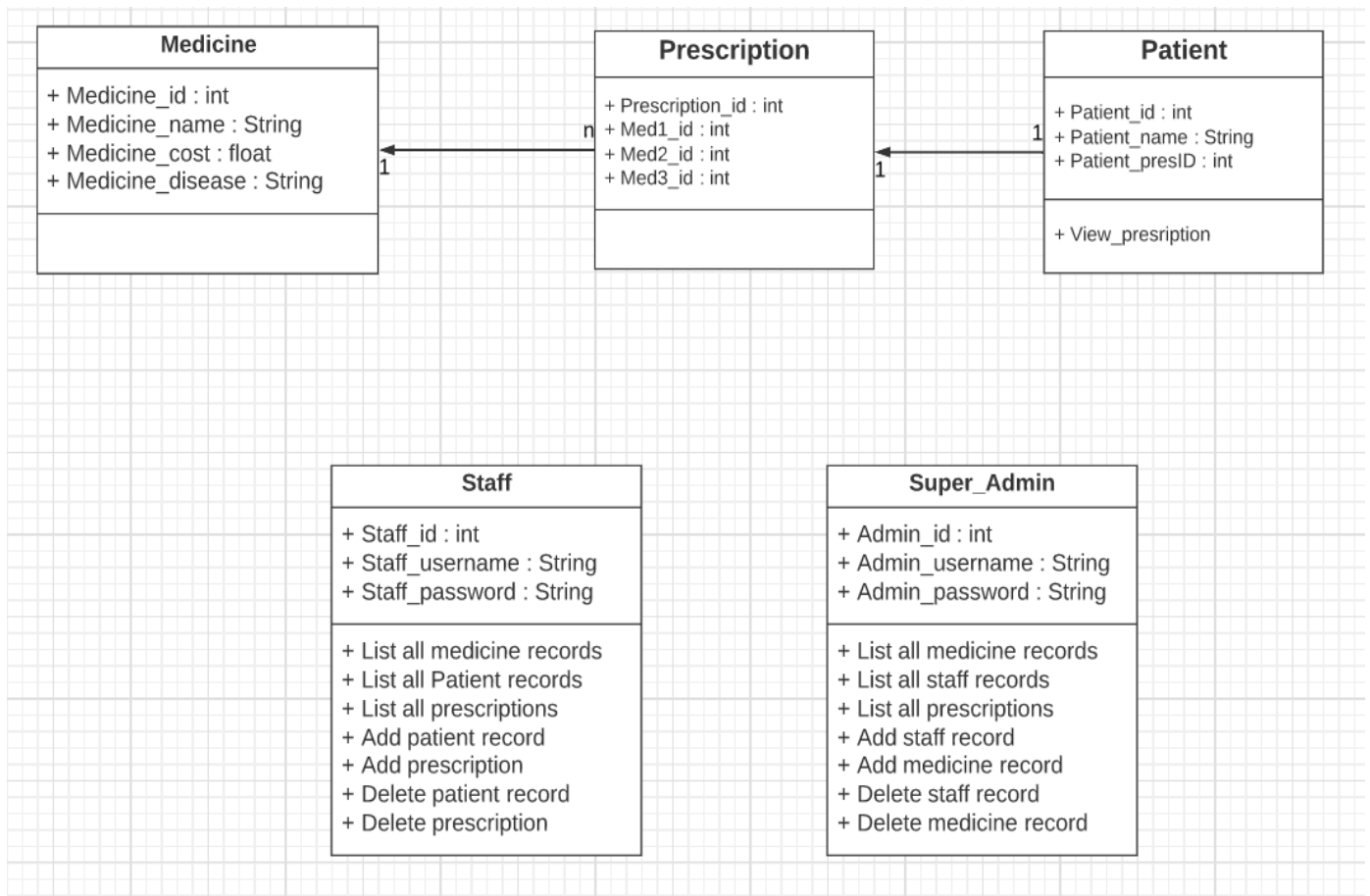
Hospital Management System (Project Report)

- IMT2020100

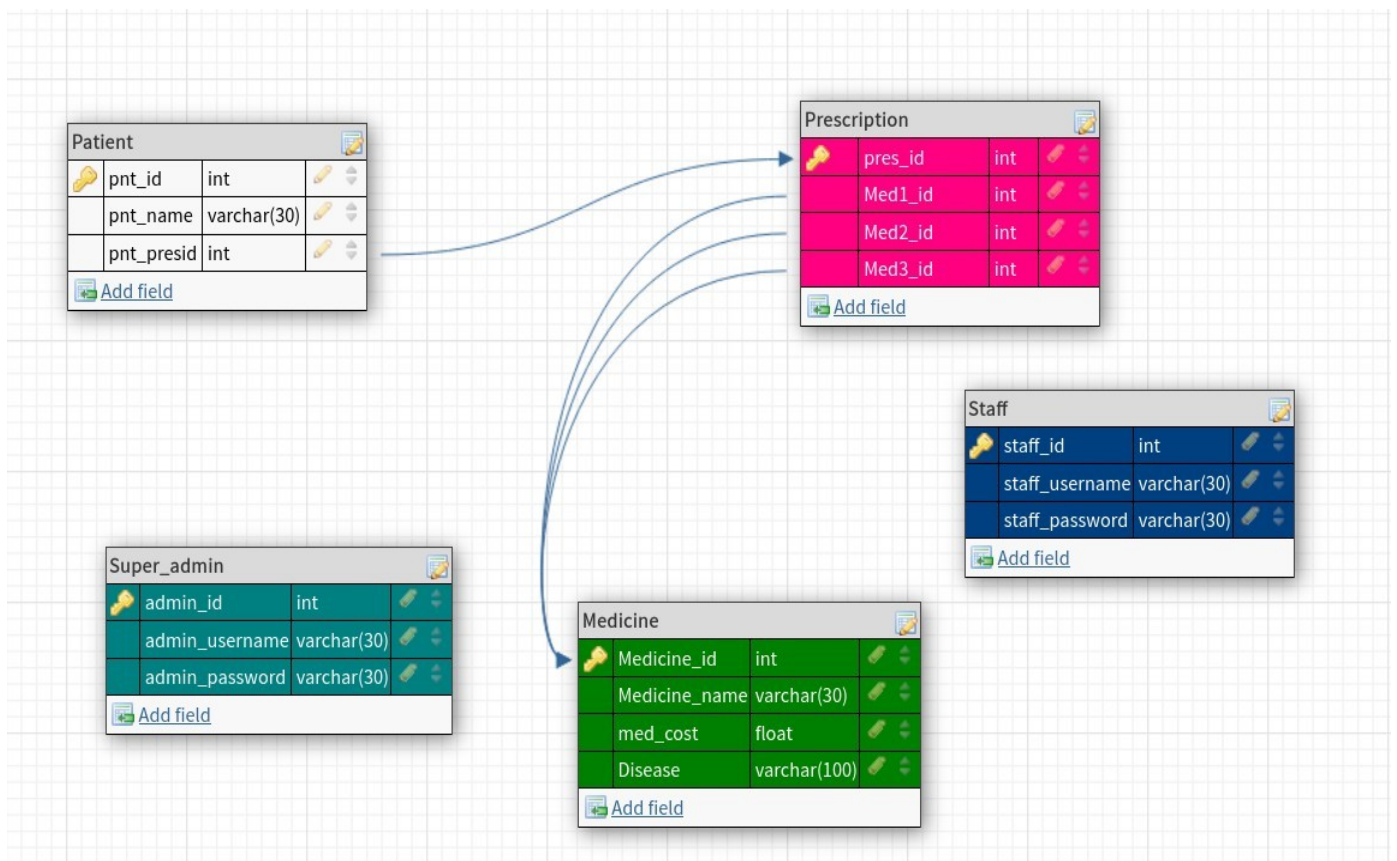
1. Use Case Diagram



2. UML Diagram



3. OR Mapping



Output Screenshots

Main Menu

```
Welcome to the City Central Hospital
Please identify yourself as one of the below:
1.Admin
2.Staff
3.Patient
4.Exit
```

Admin Authentication

```
Enter the Admin Username:
Admin
Enter the password:
DifficultPassword
```

Admin Menu

```
Choose one of the below operations
1. List all Staff records
2. List all Medicine records
3. List all Prescription records
4. Add a new staff record
5. Delete a staff record
6. Add a new medicine record
7. Delete a medicine record
8. Change staff's password
9. Exit
```

```
Enter choice:
```

Staff Authentication

```
Enter the Staff Username:
Julie
Enter the Staff Password:
DogsRbetter
```

Staff Menu

Choose one of the below operations

1. List all Patient records
2. List all Medicine records
3. List all Prescription records
4. Add a new prescription record
5. Delete a prescription record
6. Add a new patient record
7. Delete a patient record
8. Exit

Enter choice:

Patient Output

Please enter your patient ID:

2

Patient name: Alex

Prescription id: 2

Patient 2 needs the medicines 2 3 0

List all prescription records(Staff/ Admin)

Enter choice:

3

Prescription ID: 1 Med1 ID: 1 Med2 ID: 4 Med3 ID: 5

Prescription ID: 2 Med1 ID: 2 Med2 ID: 3 Med3 ID: 0

Prescription ID: 3 Med1 ID: 1 Med2 ID: 0 Med3 ID: 0

Prescription ID: 5 Med1 ID: 3 Med2 ID: 4 Med3 ID: 5

List all Medicine records (Staff / Admin)

Enter choice:

2

Medicine ID: 1 Medicine Name: Dolo Medicine Cost: 20 Cure For: Fever

Medicine ID: 2 Medicine Name: Aspirin Medicine Cost: 30 Cure For: Stomach Pain

Medicine ID: 3 Medicine Name: Zofran Medicine Cost: 40 Cure For: Nausea

Medicine ID: 4 Medicine Name: Sinarest Medicine Cost: 10 Cure For: Cold

Medicine ID: 5 Medicine Name: Ibuprofen Medicine Cost: 20 Cure For: Headache

List all Staff records (Admin)

```
Enter choice:
1
Staff ID: 1 Staff Username: Jack Staff Password: Jack123
Staff ID: 2 Staff Username: Emilia Staff Password: Cats4lyf
Staff ID: 3 Staff Username: Julie Staff Password: DogsRbetter
```

Add a new staff record (Admin)

```
Enter choice:
4
Enter staff username:
John
Enter staff password:
John987
Success!

Enter choice:
1
Staff ID: 1 Staff Username: Jack Staff Password: Jack123
Staff ID: 2 Staff Username: Emilia Staff Password: Cats4lyf
Staff ID: 3 Staff Username: Julie Staff Password: DogsRbetter
Staff ID: 5 Staff Username: John Staff Password: John987
```

Delete a staff record (Admin)

```
Enter choice:
5
Enter staff id:
5
Success!

Enter choice:
1
Staff ID: 1 Staff Username: Jack Staff Password: Jack123
Staff ID: 2 Staff Username: Emilia Staff Password: Cats4lyf
Staff ID: 3 Staff Username: Julie Staff Password: DogsRbetter
```

Add a Medicine record (Admin)

```
Enter choice:
6
Enter Medicine name:
Zantax
Enter Medicine cost:
30
Enter disease:
IDK
Success!

Enter choice:
2
Medicine ID: 1 Medicine Name: Dolo Medicine Cost: 20 Cure For: Fever
Medicine ID: 2 Medicine Name: Aspirin Medicine Cost: 30 Cure For: Stomach Pain
Medicine ID: 3 Medicine Name: Zofran Medicine Cost: 40 Cure For: Nausea
Medicine ID: 4 Medicine Name: Sinarest Medicine Cost: 10 Cure For: Cold
Medicine ID: 5 Medicine Name: Ibuprofen Medicine Cost: 20 Cure For: Headache
Medicine ID: 7 Medicine Name: Benedryl Medicine Cost: 50 Cure For: Cough
Medicine ID: 8 Medicine Name: Zantax Medicine Cost: 30 Cure For: IDK
```

Delete Medicine Record (Admin)

```
Enter choice:
7
Enter medicine id:
8
Success!

Enter choice:
2
Medicine ID: 1 Medicine Name: Dolo Medicine Cost: 20 Cure For: Fever
Medicine ID: 2 Medicine Name: Aspirin Medicine Cost: 30 Cure For: Stomach Pain
Medicine ID: 3 Medicine Name: Zofran Medicine Cost: 40 Cure For: Nausea
Medicine ID: 4 Medicine Name: Sinarest Medicine Cost: 10 Cure For: Cold
Medicine ID: 5 Medicine Name: Ibuprofen Medicine Cost: 20 Cure For: Headache
Medicine ID: 7 Medicine Name: Benedryl Medicine Cost: 50 Cure For: Cough
```

Change Staff's password (Admin)

```
Enter choice:
8
Enter staff username:
Julie
Enter new staff password:
CatsAreGoodToo
Success!

Enter choice:
1
Staff ID: 1 Staff Username: Jack Staff Password: Jack123
Staff ID: 2 Staff Username: Emilia Staff Password: Cats4lyf
Staff ID: 3 Staff Username: Julie Staff Password: CatsAreGoodToo
```

Add a prescription record (Staff)

```
Enter choice:
4
Please make sure that the related medicines are registered
Enter Medicine_1 ID:
3
Enter Medicine_2 ID:
4
Enter Medicine_3 ID:
7
Success!

Enter choice:
3
Prescription ID: 1 Med1 ID: 1 Med2 ID: 4 Med3 ID: 5
Prescription ID: 2 Med1 ID: 2 Med2 ID: 3 Med3 ID: 0
Prescription ID: 3 Med1 ID: 1 Med2 ID: 0 Med3 ID: 0
Prescription ID: 5 Med1 ID: 3 Med2 ID: 4 Med3 ID: 5
Prescription ID: 7 Med1 ID: 4 Med2 ID: 5 Med3 ID: 7
Prescription ID: 8 Med1 ID: 3 Med2 ID: 4 Med3 ID: 7
```

Delete prescription (Staff)

```
Enter choice:
5
Enter prescription id:
8
Success!

Enter choice:
3
Prescription ID: 1 Med1 ID: 1 Med2 ID: 4 Med3 ID: 5
Prescription ID: 2 Med1 ID: 2 Med2 ID: 3 Med3 ID: 0
Prescription ID: 3 Med1 ID: 1 Med2 ID: 0 Med3 ID: 0
Prescription ID: 5 Med1 ID: 3 Med2 ID: 4 Med3 ID: 5
Prescription ID: 7 Med1 ID: 4 Med2 ID: 5 Med3 ID: 7
```

Add a patient record (Staff)

```
Enter choice:
6
Please make sure that the related prescriptions are registered
Enter Patient name:
Pablo
Enter Prescription ID:
5
Success!

Enter choice:
1
Patient ID: 1 Patient Name: John Prescription ID: 1
Patient ID: 2 Patient Name: Alex Prescription ID: 2
Patient ID: 3 Patient Name: Jesse Prescription ID: 3
Patient ID: 7 Patient Name: Pablo Prescription ID: 5
```

Delete a patient record (Staff)

```
Enter choice:
7
Enter patient id:
7
Success!

Enter choice:
1
Patient ID: 1 Patient Name: John Prescription ID: 1
Patient ID: 2 Patient Name: Alex Prescription ID: 2
Patient ID: 3 Patient Name: Jesse Prescription ID: 3
```

Instructions to run:

1. Run these commands in mysql in the following order:
 - i. `source ./sqlfiles/create_data.sql`
 - ii. `source ./sqlfiles/alter_data.sql`
 - iii. `source ./sqlfiles/insert_data.sql`
 2. Export the file “mysql-connector-java-8.0.18.jar:” to CLASSPATH
 3. Next run “javac Jdbc_Hospital.java” on terminal.
 4. Then, “java Jdbc_Hospital”
 5. You should be seeing the Main Menu now!
 6. Use “source ./sqlfiles/drop_data.sql” in mysql to drop the database
 7. All Admin/Staff credentials are in the output screenshots above.
Admin username : Admin
Admin Password : DifficultPassword
- All Staff credentials can be viewed by the Admin.