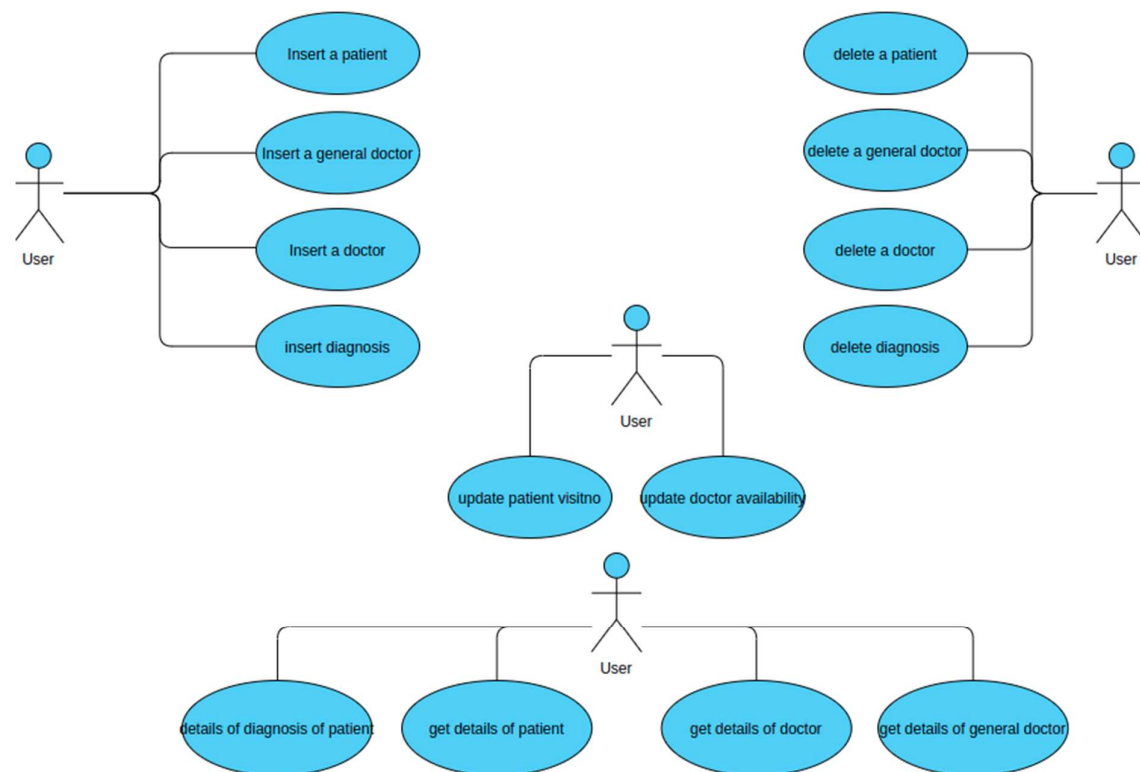


Database lab Project Report

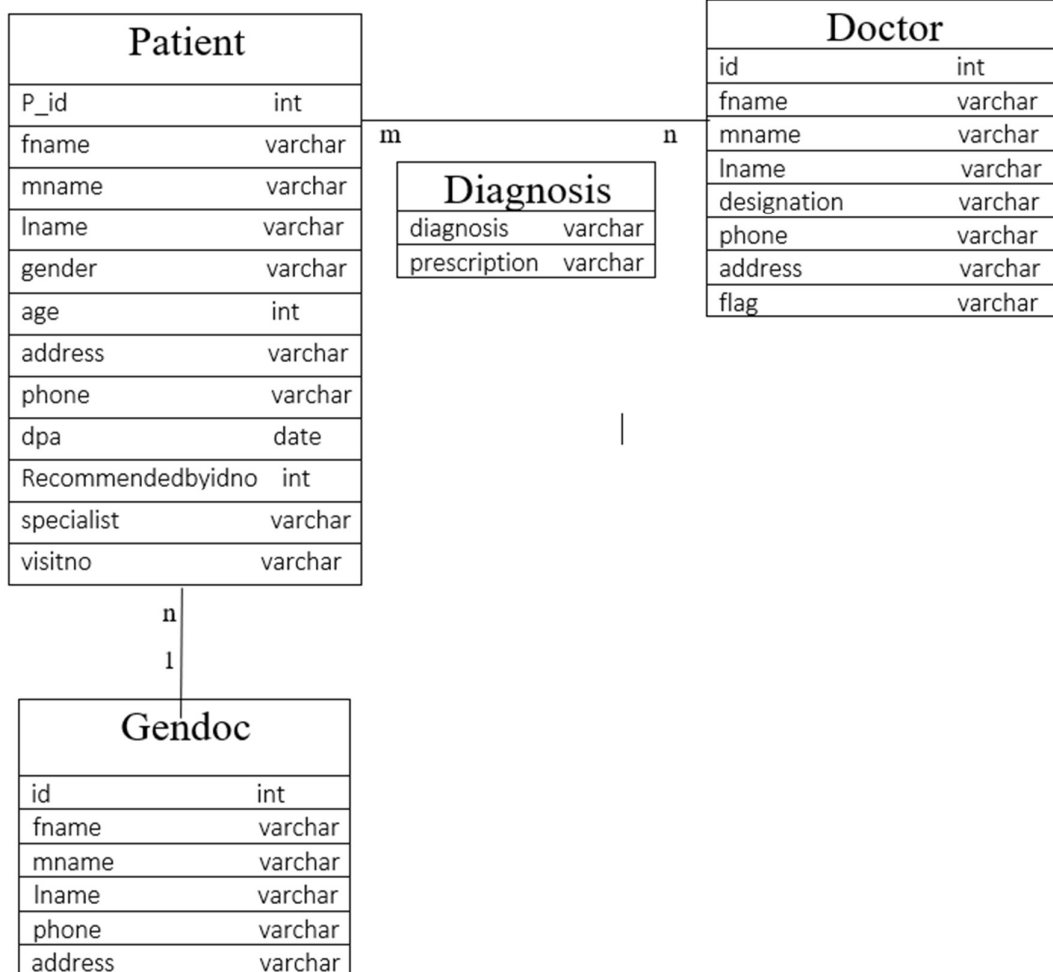
IMT2020102

Tejdeep Gutta

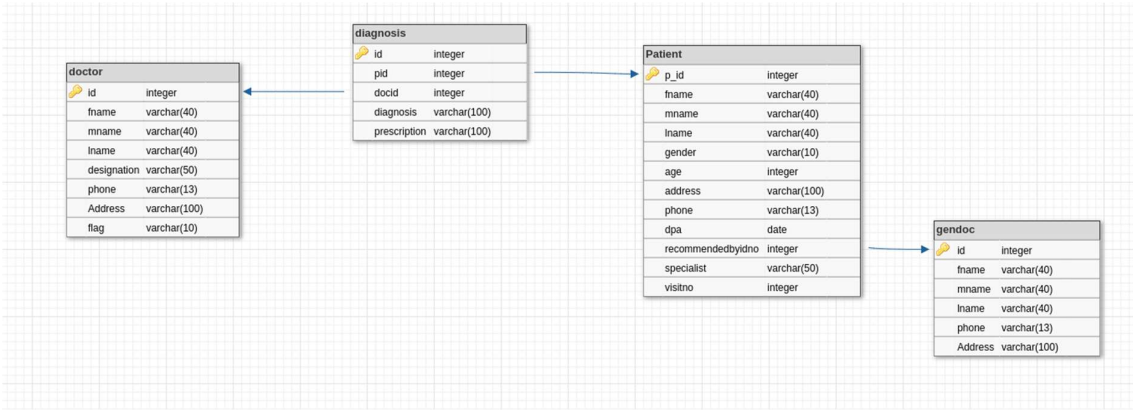
Use case diagram



UML Diagram



OR Mapping (DB Design)



Output Screenshots:

```
Connecting to database...
Creating statement...

WELCOME TO ST BONAVENTURE HOSPITAL!

1. query Patient details
2. query general ward doctor details
3. query speacialist doctor details
0. Exit

ENTER YOUR CHOICE :
1
1. Get personal details of patient with particular id
2. Get list of patients treated by a particular specialist when given his id
3. Get list of patients diagnosed with a particular disease
4. Get list of patients with a specified number of visits to a specialist
5. Get list of patients who are treated with a particular treatment
6. Add a new patient
7. update visitno of a particular patient, given his id
8. delete a patient
0. return back

ENTER YOUR CHOICE :
6
id: 8newid: 9

Enter fname : h
Enter mname : a
Enter lname : s
Enter gender : male
Enter age : 23
Enter Address : qwe
Enter phone : 123456
Enter date : 2022-11-11
Enter recommendedbyidno : 1
Enter specialist : 1
Enter visitno : 1
Patient has been added successfully!!
```

WELCOME TO ST BONAVENTURE HOSPITAL!

1. query Patient details
2. query general ward doctor details
3. query speacialist doctor details
0. Exit

ENTER YOUR CHOICE :

1

1. Get personal details of patient with particular id
2. Get list of patients treated by a particular specialist when given his id
3. Get list of patients diagnosed with a particular disease
4. Get list of patients with a specified number of visits to a specialist
5. Get list of patients who are treated with a particular treatment
6. Add a new patient
7. update visitno of a particular patient, given his id
8. delete a patient
0. return back

ENTER YOUR CHOICE :

8

Enter patient id : 9
deleted successfully!!

Enter patient id : 9
deleted successfully!!

1. query Patient details
2. query general ward doctor details
3. query speacialist doctor details
0. Exit

ENTER YOUR CHOICE :

1

1. Get personal details of patient with particular id
2. Get list of patients treated by a particular specialist when given his id
3. Get list of patients diagnosed with a particular disease
4. Get list of patients with a specified number of visits to a specialist
5. Get list of patients who are treated with a particular treatment
6. Add a new patient
7. update visitno of a particular patient, given his id
8. delete a patient
0. return back

ENTER YOUR CHOICE :

1

Enter patient id : 9

1. query Patient details
2. query general ward doctor details
3. query speacialist doctor details
0. Exit

ENTER YOUR CHOICE :

■

WELCOME TO ST BONAVENTURE HOSPITAL!

1. query/modify Patient details
2. query/modify general ward doctor details
3. query/modify speacialist doctor and diagnosis details
0. Exit

ENTER YOUR CHOICE :

1

1. Get personal details of patient with particular id
2. Get list of patients treated by a particular specialist when given his id
3. Get list of patients diagnosed with a particular disease
4. Get list of patients with a specified number of visits to a specialist
5. Get list of patients who are treated with a particular treatment
6. Add a new patient
7. update visitno of a particular patient, given his id
8. delete a patient
0. return back

ENTER YOUR CHOICE :

7

Enter patient id : 1

new vno: 4

updated successfully!!

1. query/modify Patient details
2. query/modify general ward doctor details
3. query/modify speacialist doctor and diagnosis details
0. Exit

ENTER YOUR CHOICE :

Notes

- The hospitaldb consists of 4 tables namely doctor, diagnosis, patient and gendoc(General doctor).
- Here the database is a single user database which is used by a receptionist in the hospital.
- There is an association between doctor and patient and gendoc and patient.
- This database is used to check the patients, doctor's availability, the specialists availability and the diagnosis of the patients in hospital.
- When a record of the patient is deleted then all the diagnosis records of the patient present in diagnosis table are deleted due to cascading option.
- If the data is not found the nothing is printed out as output.

Instructions to run the code:

- Initially export the path.
- Compile and run the java code.
- Select whether you want to query/modify patient/diagnosis/gendoc and doctor.

- If you give any other inputs than the specified ones, it would ask to give a valid input.