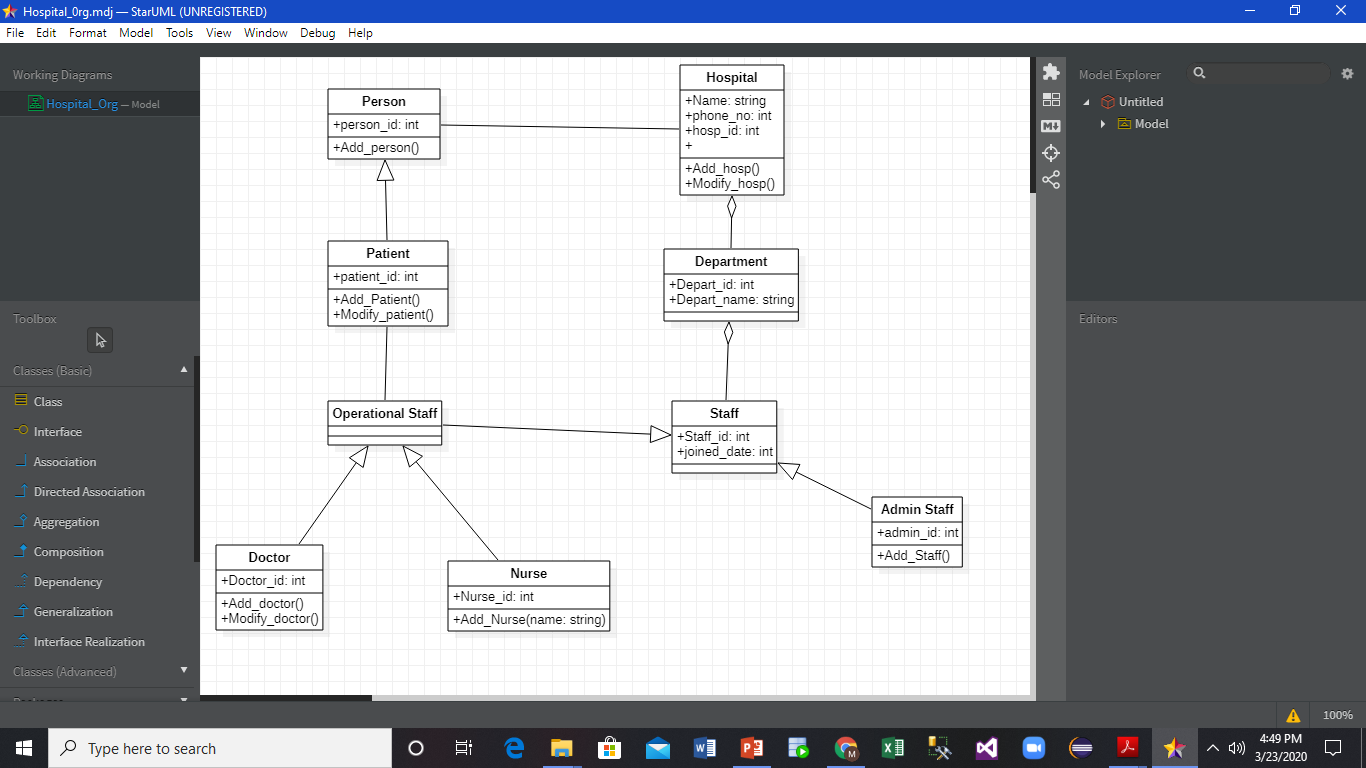
**CLASS DIAGRAM:**



**CODE GENERATED USING STARUML IN JAVA:**

1. **Admin Staff:**

import java.util.\*;

/\*\*

\*

\*/

public class Admin Staff extends Staff {

/\*\*

\* Default constructor

\*/

public Admin Staff() {

}

/\*\*

\*

\*/

public int admin\_id;

/\*\*

\*

\*/

public void Add\_Staff() {

// TODO implement here

}

}

1. **Department:**

import java.util.\*;

/\*\*

\*

\*/

public class Department {

/\*\*

\* Default constructor

\*/

public Department() {

}

/\*\*

\*

\*/

public int Depart\_id;

/\*\*

\*

\*/

public string Depart\_name;

}

1. **Doctor:**

import java.util.\*;

/\*\*

\*

\*/

public class Doctor extends Operational Staff {

/\*\*

\* Default constructor

\*/

public Doctor() {

}

/\*\*

\*

\*/

public int Doctor\_id;

/\*\*

\*

\*/

public void Add\_doctor() {

// TODO implement here

}

/\*\*

\*

\*/

public void Modify\_doctor() {

// TODO implement here

}

}

4

1. **Hospital:**

import java.util.\*;

/\*\*

\*

\*/

public class Hospital {

/\*\*

\* Default constructor

\*/

public Hospital() {

}

/\*\*

\*

\*/

public string Name;

/\*\*

\*

\*/

public int phone\_no;

/\*\*

\*

\*/

public int hosp\_id;

/\*\*

\*

\*/

public void Add\_hosp() {

// TODO implement here

}

/\*\*

\*

\*/

public void Modify\_hosp() {

// TODO implement here

}

}

1. **Nurse:**

import java.util.\*;

/\*\*

\*

\*/

public class Nurse extends Operational Staff {

/\*\*

\* Default constructor

\*/

public Nurse() {

}

/\*\*

\*

\*/

public int Nurse\_id;

/\*\*

\* @param name

\*/

public void Add\_Nurse(string name) {

// TODO implement here

}

}

1. **Operational Staff:**

import java.util.\*;

/\*\*

\*

\*/

public class Operational Staff extends Staff {

/\*\*

\* Default constructor

\*/

public Operational Staff() {

}

}

1. **Patient:**

import java.util.\*;

/\*\*

\*

\*/

public class Patient extends Person {

/\*\*

\* Default constructor

\*/

public Patient() {

}

/\*\*

\*

\*/

public int patient\_id;

/\*\*

\*

\*/

public void Attribute1;

/\*\*

\*

\*/

public void Add\_Patient() {

// TODO implement here

}

/\*\*

\*

\*/

public void Modify\_patient() {

// TODO implement here

}

}

1. **Person:**

import java.util.\*;

/\*\*

\*

\*/

public class Person {

/\*\*

\* Default constructor

\*/

public Person() {

}

/\*\*

\*

\*/

public int person\_id;

/\*\*

\*

\*/

public void Add\_person() {

// TODO implement here

}

}

1. **Staff:**

import java.util.\*;

/\*\*

\*

\*/

public class Staff {

/\*\*

\* Default constructor

\*/

public Staff() {

}

/\*\*

\*

\*/

public int Staff\_id;

/\*\*

\*

\*/

public int joined\_date;

}