UML CLASS DIAGRAM:

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.

Class is a blueprint of a real world entity. It is a part of the OOPS concept. Objects are created by allocating memory space to the class. Object is an instance of a class. Patient class is responsible for the behaviours that include adding patients, updating patients , delete patients and get patient details. Patient class has an Appointment class and it is

responsible for Appointment handling. Notification class is responsible for the behaviours that includes add, update, delete notification and getting Notification Details. Notification class is provided to the user class and it is responsible for add, update, delete user details and getting userdetails

Patient

-Patient Id: INT

-Name: VARCHAR(50)

-Mobile No: VARCHAR(20)

-Dob: VARCHAR(30)

-Gender: INT

-Email Id: VARCHAR(50)

-Patient Address: VARCHAR(MAX)

-IsActive: INT

-CreadtedOn: DATETIME

-ReceptionistId: INT

+addPatient(pt:Patientdetails)

+updatePatient(pt:Patientdetails)

+deletePatient (pt:Patientdetails)

+getPatient (Id: int): Patient

+getPatients():List<Patient>

+deregisterPatients()

+makePatientsInactive()

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Appointment

-Appointment Id: INT

-Patient Id: INT

-Patient Name:VARCHAR(50)

-Consult Department Id:INT

-Consult Doctor Id:INT

-Appointment Date:VARCHAR(30)

-Appointment Time:VARCHAR(30)

-Receptionist Id: INT

-Appointment Desc:VARCHAR(MAX)

-Appointment Type:INT

-CreatedOn:DATETIME

-Appointment Status:INT

-Appointment ClosedBy:INT

-Appointment ClosedOn:DATETIME

-Remainder Status:INT

-Patient Type:VARCHAR(40)

-Consulting Amount:VARCHAR(40)

+addAppointment(at:Appointment)

+updateAppointment(at:Appointment t)

+deleteAppointment(at:Appointment)

+getAppointment(Id:INT):Appointment ent

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User

-User Id   :INT

-User Name:VARCHAR(50)

-User Role:INT

-User Email:VARCHAR(50)

-User Mobile:VARCHAR(20)

-User Address:VARCHAR(MAX)

-User Pincode:INT

-User Designation:INT

-User JoiningDate:VARCHAR(50)

-User CreatedOn:DATETIME

-User CreatedBY:INT

-User Password:VARCHAR(20)

-User DepartmentId:INT

-User GenderId:INT

-User Dob:VARCHAR(30)

-User Status:INT

+addUser(at:User)

+updateUser(at:User)

+deleteUser(at:User)

+getUser(Id:INT):User

+getUsers():List<User>

+getRemainder():List<Appointme nt>

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Notification

-Slno: INT

-Appointment Id:INT

-Patient EmailId:VARCHAR(50)

-Notification Type: INT

-Notification Message: VARCHAR(MAX)

-CreatedOn:DATETIME

+addNotification(at:Notification)

+updateNotification(at:Notification)

+deleteNotification(at:Notification)

+getNotification(Id:INT):Notificati on

+getNotification:List<Notification>

+getNotification:List<Notification>

+getNotifications:List<Notification >

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