PYTHON CODING CHALLENGE

Coding Challenge-3: Hospital Management System

Submitted By : Astha Raj

Problem Statement:

1Create SQL Schema from the following classes class, use the class attributes for table column names.

MySQL 8.0 Command Line Client

```
Enter password: *********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 338
Server version: 8.0.35 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database hospitalmanagementsystem
    -> ;
Query OK, 1 row affected (0.04 sec)

mysql> use hospitalmanagementsystem;
Database changed
mysql> CREATE TABLE Patient (
    ->     patientId INT AUTO_INCREMENT PRIMARY KEY,
    ->     firstName VARCHAR(255),
    ->     lastName VARCHAR(255),
    ->     dateOfBirth DATE,
    ->     gender VARCHAR(10),
    ->     contactNumber VARCHAR(20),
    ->     address TEXT
    -> );
Query OK, 0 rows affected (0.09 sec)

mysql> CREATE TABLE Doctor (
    ->     doctorId INT AUTO_INCREMENT PRIMARY KEY,
    ->     firstName VARCHAR(255),
    ->     lastName VARCHAR(255),
    ->     specialization VARCHAR(255),
    ->     contactNumber VARCHAR(20)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Appointment (
    ->     appointmentId INT AUTO_INCREMENT PRIMARY KEY,
    ->     patientId INT,
    ->     doctorId INT,
    ->     appointmentDate DATETIME,
    ->     description TEXT,
    ->     FOREIGN KEY (patientId) REFERENCES Patient(patientId),
    ->     FOREIGN KEY (doctorId) REFERENCES Doctor(doctorId)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

MySQL 8.0 Command Line Client

```
    ->     lastName VARCHAR(255),
    ->     specialization VARCHAR(255),
    ->     contactNumber VARCHAR(20)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Appointment (
    ->     appointmentId INT AUTO_INCREMENT PRIMARY KEY,
    ->     patientId INT,
    ->     doctorId INT,
    ->     appointmentDate DATETIME,
    ->     description TEXT,
    ->     FOREIGN KEY (patientId) REFERENCES Patient(patientId),
    ->     FOREIGN KEY (doctorId) REFERENCES Doctor(doctorId)
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO Patient (firstName, lastName, dateOfBirth, gender, contactNumber, address)
    -> VALUES
    ->     ('Rahul', 'Gupta', '1990-05-15', 'Male', '9876543210', '123, ABC Street, Mumbai'),
    ->     ('Priya', 'Sharma', '1985-09-25', 'Female', '8765432109', '456, XYZ Street, Delhi'),
    ->     ('Amit', 'Patel', '1978-12-03', 'Male', '7654321098', '789, PQR Street, Kolkata'),
    ->     ('Anita', 'Singh', '1993-07-19', 'Female', '6543210987', '101, LMN Street, Chennai'),
    ->     ('Sachin', 'Kumar', '1980-03-08', 'Male', '5432109876', '202, UVW Street, Bangalore'),
    ->     ('Aarav', 'Patel', '1995-04-10', 'Male', '9876543210', '123, ABC Street, Mumbai'),
    ->     ('Sneha', 'Reddy', '1988-08-20', 'Female', '8765432109', '456, XYZ Street, Delhi'),
    ->     ('Arjun', 'Gupta', '1979-11-15', 'Male', '7654321098', '789, PQR Street, Kolkata'),
    ->     ('Isha', 'Kumar', '1992-06-19', 'Female', '6543210987', '101, LMN Street, Chennai'),
    ->     ('Vivan', 'Sharma', '1983-03-25', 'Male', '5432109876', '202, UVW Street, Bangalore');
Query OK, 10 rows affected (0.02 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql>
mysql> INSERT INTO Doctor (firstName, lastName, specialization, contactNumber)
    -> VALUES
    ->     ('Dr. Rajesh', 'Sharma', 'Cardiologist', '987654321'),
    ->     ('Dr. Nisha', 'Patel', 'Pediatrician', '876543210'),
    ->     ('Dr. Manoj', 'Singh', 'Dermatologist', '765432109'),
    ->     ('Dr. Pooja', 'Gupta', 'Gynecologist', '654321098'),
    ->     ('Dr. Amit', 'Kumar', 'Orthopedician', '543210987'),
    ->     ('Dr. Neha', 'Singh', 'Oncologist', '987654321'),
    ->     ('Dr. Rohan', 'Mehta', 'Neurologist', '876543210'),
    ->     ('Dr. Ritu', 'Shah', 'Psychiatrist', '765432109'),
    ->     ('Dr. Karan', 'Verma', 'Endocrinologist', '654321098'),
    ->     ('Dr. Anika', 'Das', 'ENT Specialist', '543210987');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Appointment (patientId, doctorId, appointmentDate, description)
```

MySQL 8.0 Command Line Client

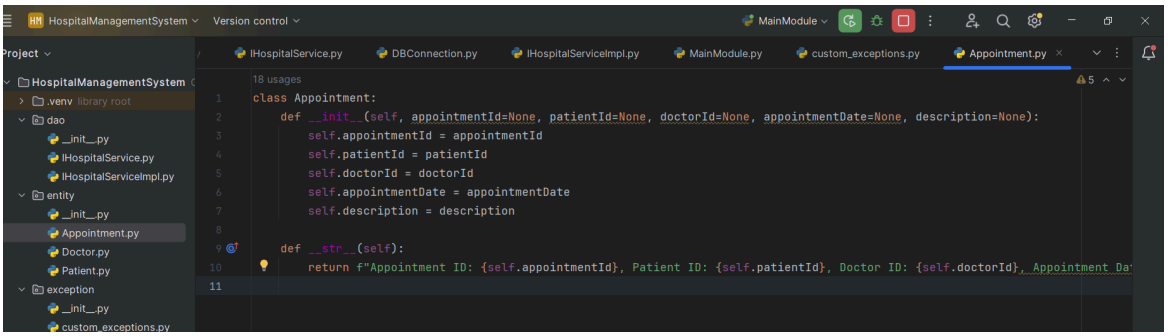
```
    -> VALUES
    ->     (1, 2, '2024-02-10 09:00:00', 'Regular checkup'),
    ->     (2, 3, '2024-02-12 10:30:00', 'Vaccination'),
    ->     (3, 4, '2024-02-14 14:00:00', 'Skin treatment'),
    ->     (4, 5, '2024-02-16 11:15:00', 'Prenatal consultation'),
    ->     (5, 1, '2024-02-18 15:30:00', 'Knee pain consultation'),
    ->     (6, 6, '2024-02-20 09:45:00', 'Eye checkup'),
    ->     (7, 7, '2024-02-22 11:30:00', 'Dental cleaning'),
    ->     (8, 8, '2024-02-24 13:15:00', 'Allergy testing'),
    ->     (9, 9, '2024-02-26 15:45:00', 'Ultrasound'),
    ->     (10, 10, '2024-02-28 17:00:00', 'Sports injury evaluation');
Query OK, 10 rows affected (0.00 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> select * from appointment;
+---------------+-----------+----------+---------------------+--------------------------+
| appointmentId | patientId | doctorId | appointmentDate     | description              |
+---------------+-----------+----------+---------------------+--------------------------+
|             1 |         1 |        2 | 2024-02-10 09:00:00 | Regular checkup          |
|             2 |         2 |        3 | 2024-02-12 10:30:00 | Vaccination              |
|             3 |         3 |        4 | 2024-02-14 14:00:00 | Skin treatment           |
|             4 |         4 |        5 | 2024-02-16 11:15:00 | Prenatal consultation    |
|             5 |         5 |        1 | 2024-02-18 15:30:00 | Knee pain consultation   |
|             6 |         6 |        6 | 2024-02-20 09:45:00 | Eye checkup              |
|             7 |         7 |        7 | 2024-02-22 11:30:00 | Dental cleaning          |
|             8 |         8 |        8 | 2024-02-24 13:15:00 | Allergy testing          |
|             9 |         9 |        9 | 2024-02-26 15:45:00 | Ultrasound               |
|            10 |        10 |       10 | 2024-02-28 17:00:00 | Sports injury evaluation |
+---------------+-----------+----------+---------------------+--------------------------+
10 rows in set (0.00 sec)

mysql>
```

1. Create the following model/entity classes within package entity with variables declared private, constructors(default and parametrized,getters,setters and toString())

1. Define `Patient` class with the following confidential attributes: a. patientId b. firstName c. lastName; d. dateOfBirth e. gender f. contactNumber g.address;

2. Define ‘Doctor` class with the following confidential attributes: a. doctorId b. firstName c. lastName d. specialization e. contactNumber;

3. Appointment Class: a. appointmentId b. patientId c. doctorId d. appointmentDate e. Description



2. Implement the following for all model classes. Write default constructors and overload the constructor with parameters, getters and setters, method to print all the member variables and values.

3. Define IHospitalService interface/abstract class with following methods to interact with database Keep the interfaces and implementation classes in package dao

a. getAppointmentById()

i. Parameters: appointmentId

ii. ReturnType: Appointment object

b. getAppointmentsForPatient()

i. Parameters: patientId

ii. ReturnType: List of Appointment objects

c. getAppointmentsForDoctor()

i. Parameters: doctorId

ii. ReturnType: List of Appointment objects

d. scheduleAppointment()

i. Parameters: Appointment Object

ii. ReturnType: Boolean

e. updateAppointment()

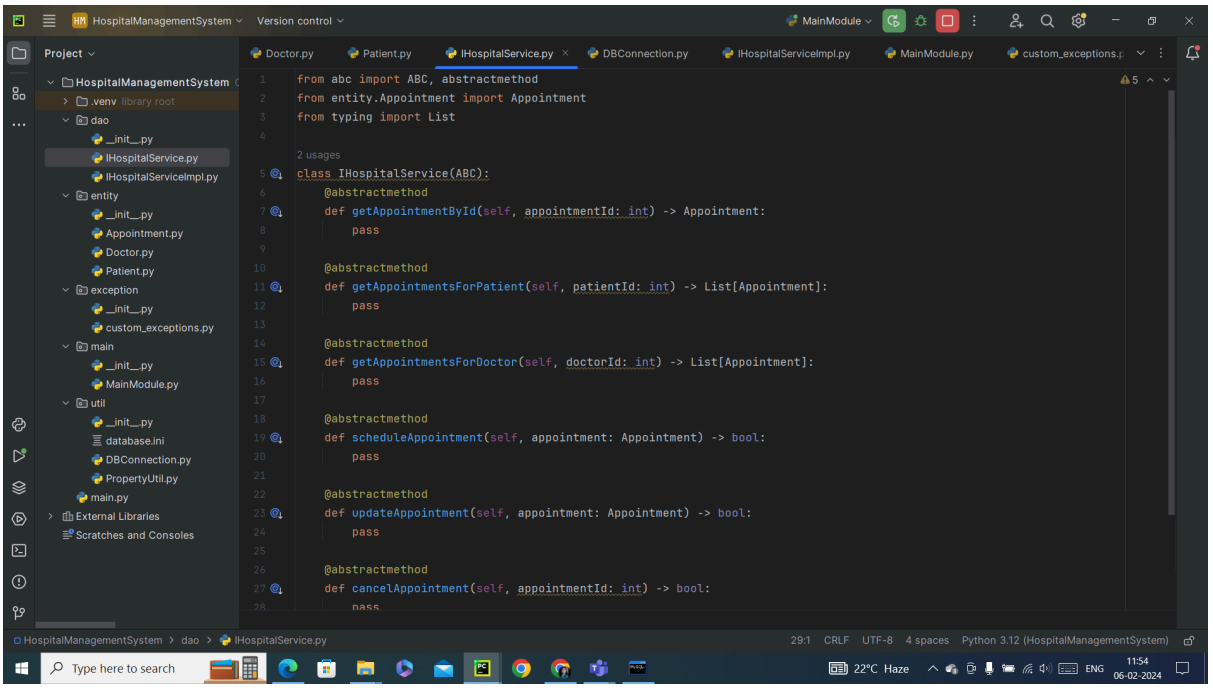
i. Parameters: Appointment Object

ii. ReturnType: Boolean

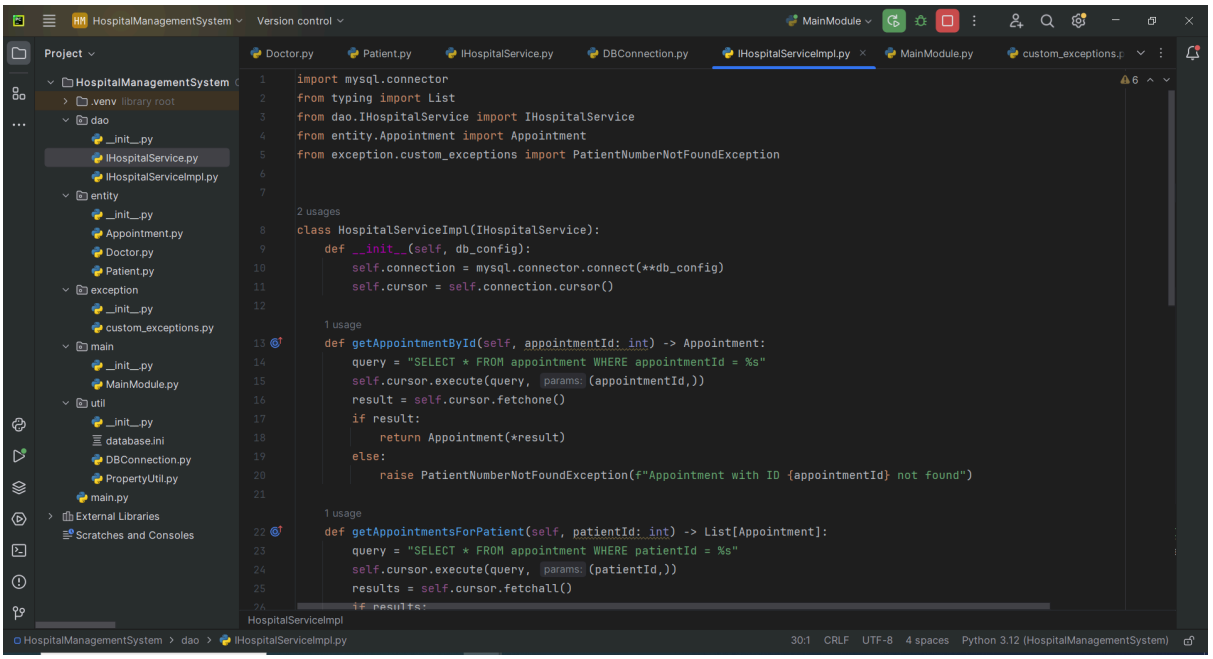
f. cancelAppointment()

i. Parameters: AppointmentId

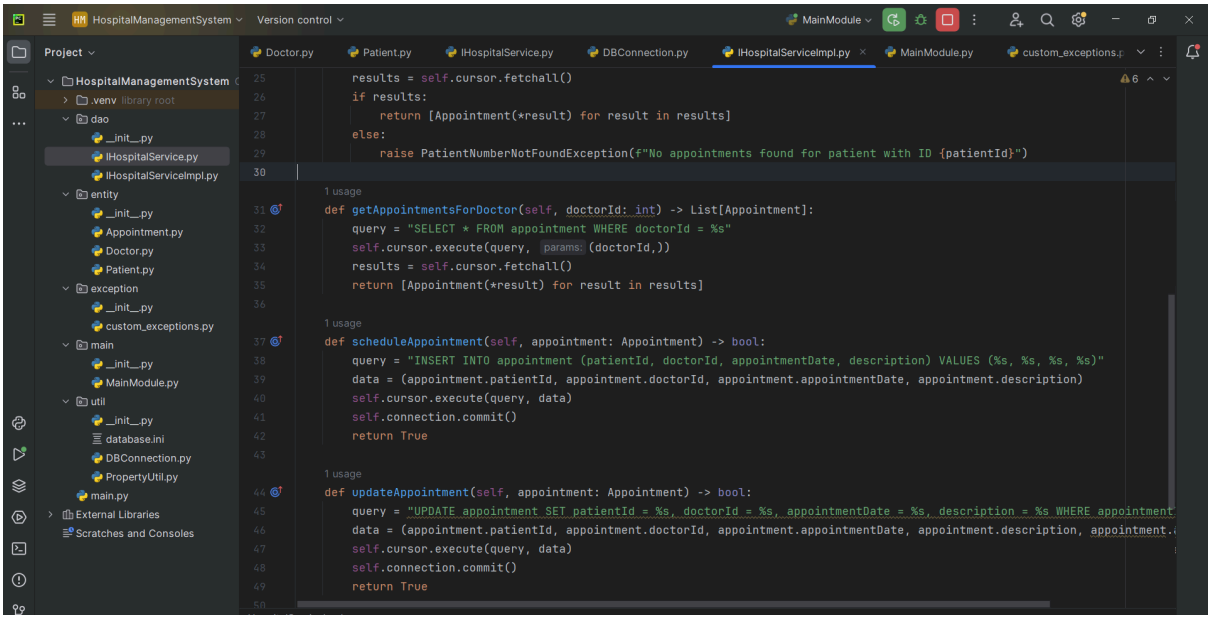
ii. ReturnType: Boolean



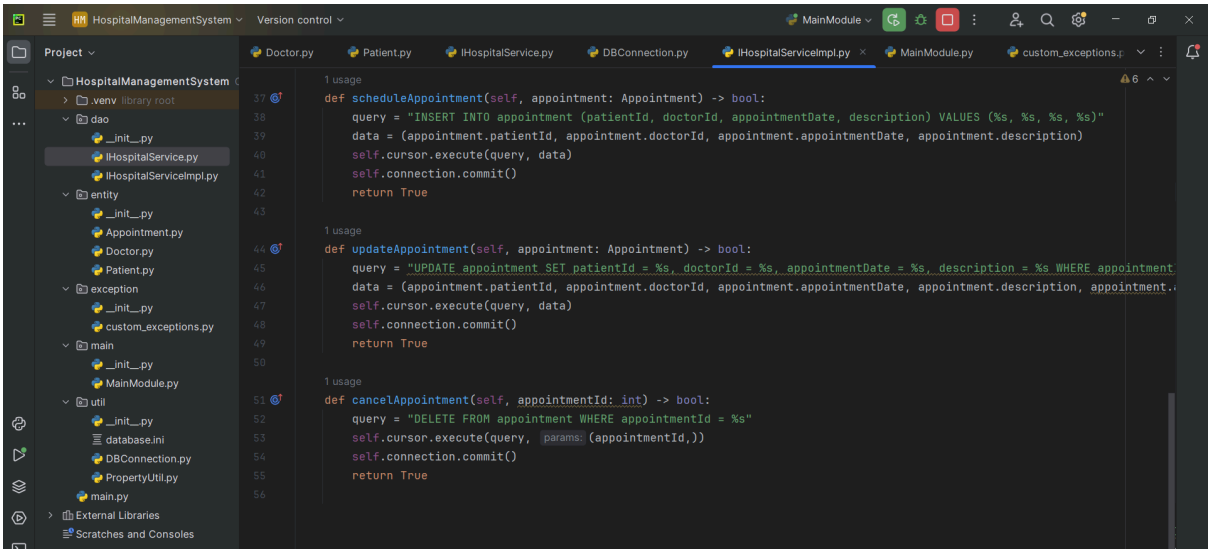
6. Define HospitalServiceImpl class and implement all the methods IHospitalServiceImpl .



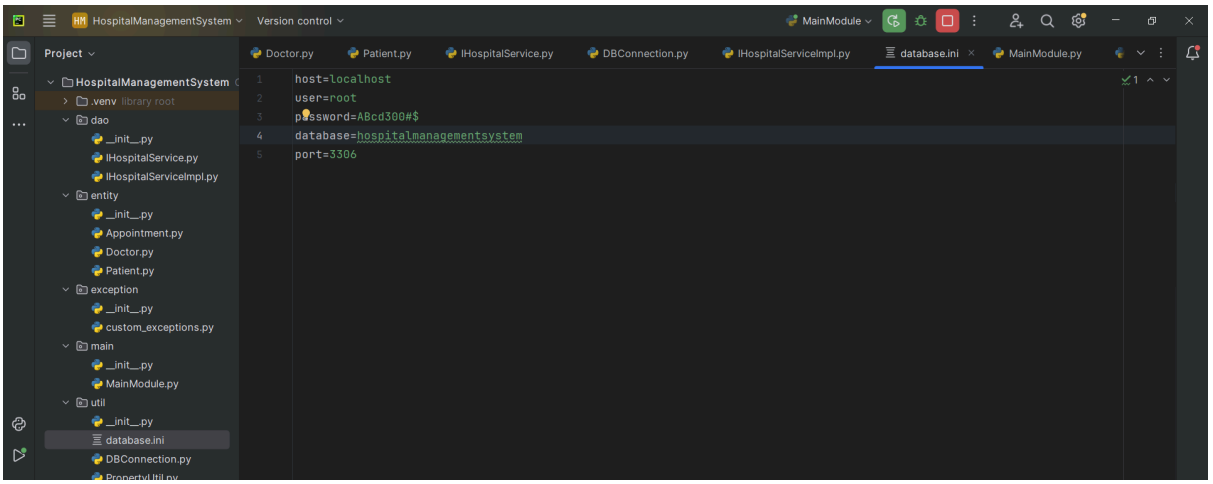
```python
import mysql.connector
from typing import List
from dao.IHospitalService import IHospitalService
from entity.Appointment import Appointment
from exception.custom_exceptions import PatientNumberNotFoundException


2 usages
class HospitalServiceImpl(IHospitalService):
    def __init__(self, db_config):
        self.connection = mysql.connector.connect(**db_config)
        self.cursor = self.connection.cursor()

    1 usage
    def getAppointmentById(self, appointmentId: int) -> Appointment:
        query = "SELECT * FROM appointment WHERE appointmentId = %s"
        self.cursor.execute(query, params: (appointmentId,))
        result = self.cursor.fetchone()
        if result:
            return Appointment(*result)
        else:
            raise PatientNumberNotFoundException(f"Appointment with ID {appointmentId} not found")

    1 usage
    def getAppointmentsForPatient(self, patientId: int) -> List[Appointment]:
        query = "SELECT * FROM appointment WHERE patientId = %s"
        self.cursor.execute(query, params: (patientId,))
        results = self.cursor.fetchall()
        if results:
```

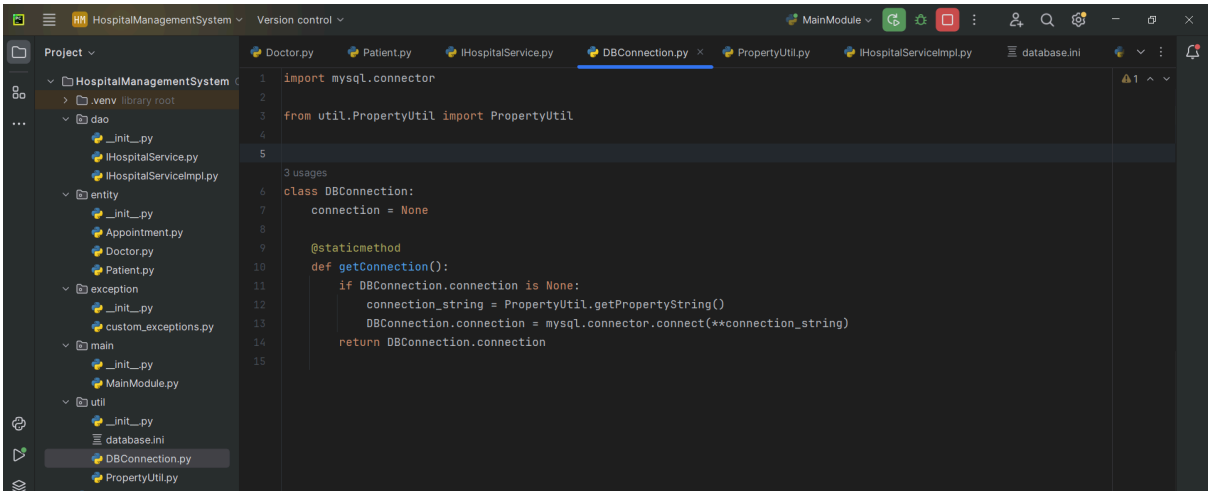


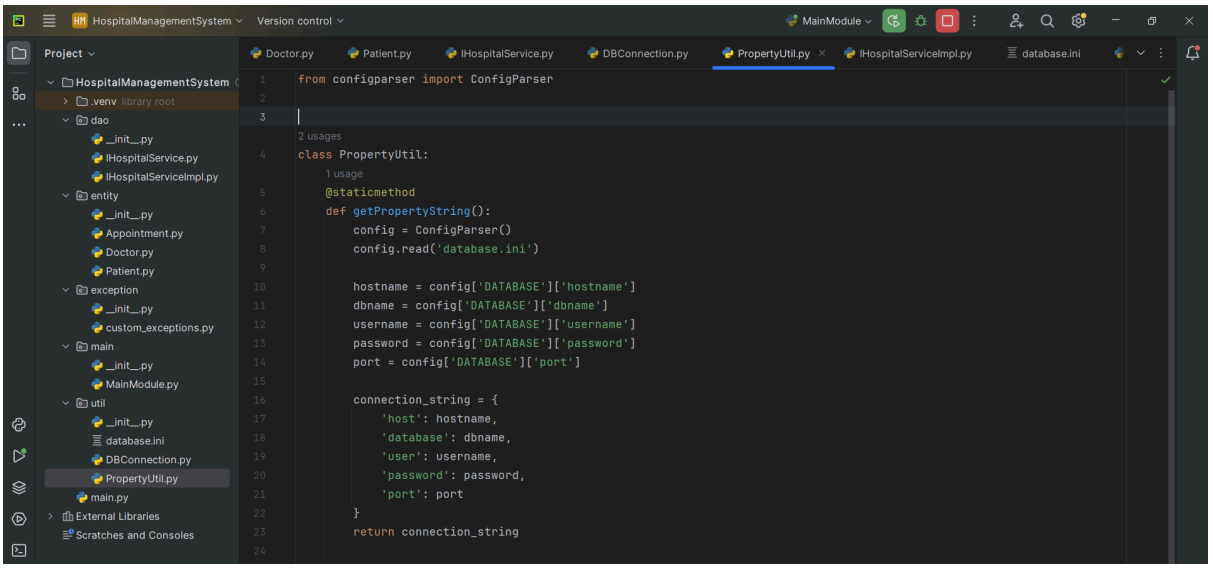
```python
        results = self.cursor.fetchall()
        if results:
            return [Appointment(*result) for result in results]
        else:
            raise PatientNumberNotFoundException(f"No appointments found for patient with ID {patientId}")

    1 usage
    def getAppointmentsForDoctor(self, doctorId: int) -> List[Appointment]:
        query = "SELECT * FROM appointment WHERE doctorId = %s"
        self.cursor.execute(query, params: (doctorId,))
        results = self.cursor.fetchall()
        return [Appointment(*result) for result in results]


    1 usage
    def scheduleAppointment(self, appointment: Appointment) -> bool:
        query = "INSERT INTO appointment (patientId, doctorId, appointmentDate, description) VALUES (%s, %s, %s, %s)"
        data = (appointment.patientId, appointment.doctorId, appointment.appointmentDate, appointment.description)
        self.cursor.execute(query, data)
        self.connection.commit()
        return True


    1 usage
    def updateAppointment(self, appointment: Appointment) -> bool:
        query = "UPDATE appointment SET patientId = %s, doctorId = %s, appointmentDate = %s, description = %s WHERE appointment
        data = (appointment.patientId, appointment.doctorId, appointment.appointmentDate, appointment.description, appointment.
        self.cursor.execute(query, data)
        self.connection.commit()
        return True
```



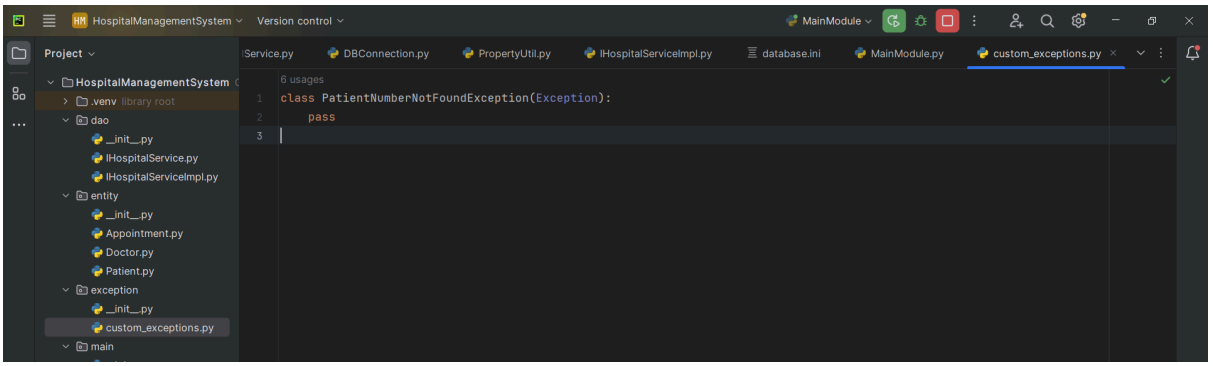
7. Create a utility class DBConnection in a package util with a static variable connection of Type Connection and a static method getConnection() which returns connection. Connection properties supplied in the connection string should be read from a property file. Create a utility class PropertyUtil which contains a static method named getPropertyString() which reads a property fie containing connection details like hostname, dbname, username, password, port number and returns a connection string.



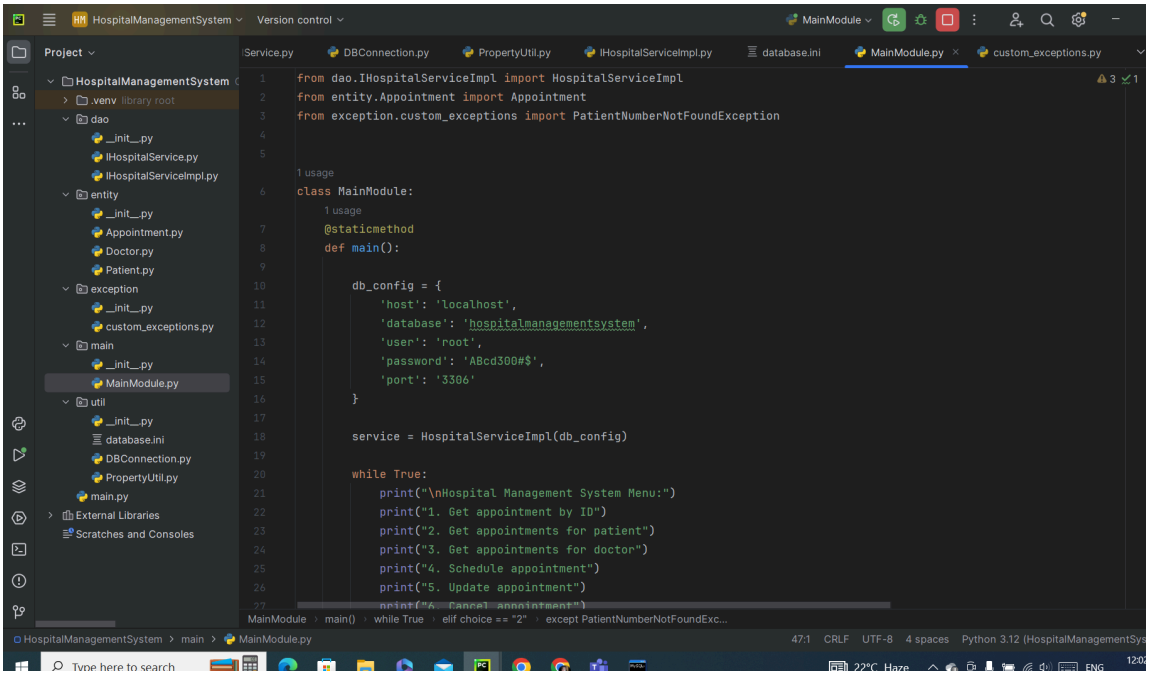




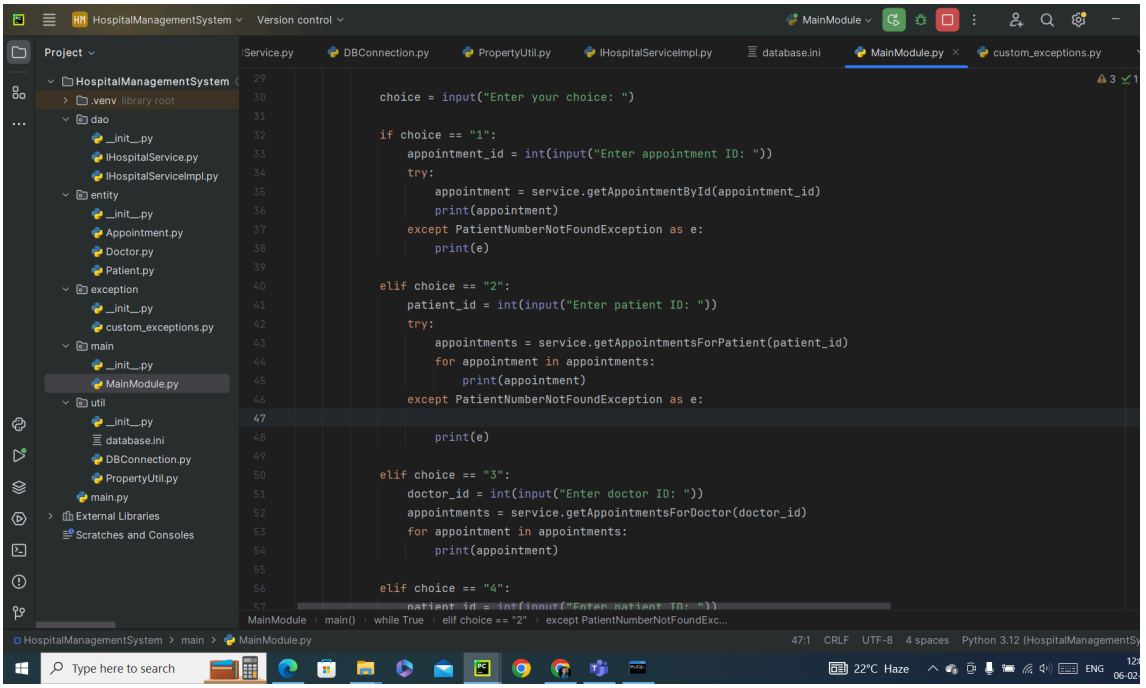
8. Create the exceptions in package myexceptions Define the following custom exceptions and throw them in methods whenever needed. Handle all the exceptions in main method, 1. PatientNumberNotFoundException :throw this exception when user enters an invalid patient number which doesn't exist in db



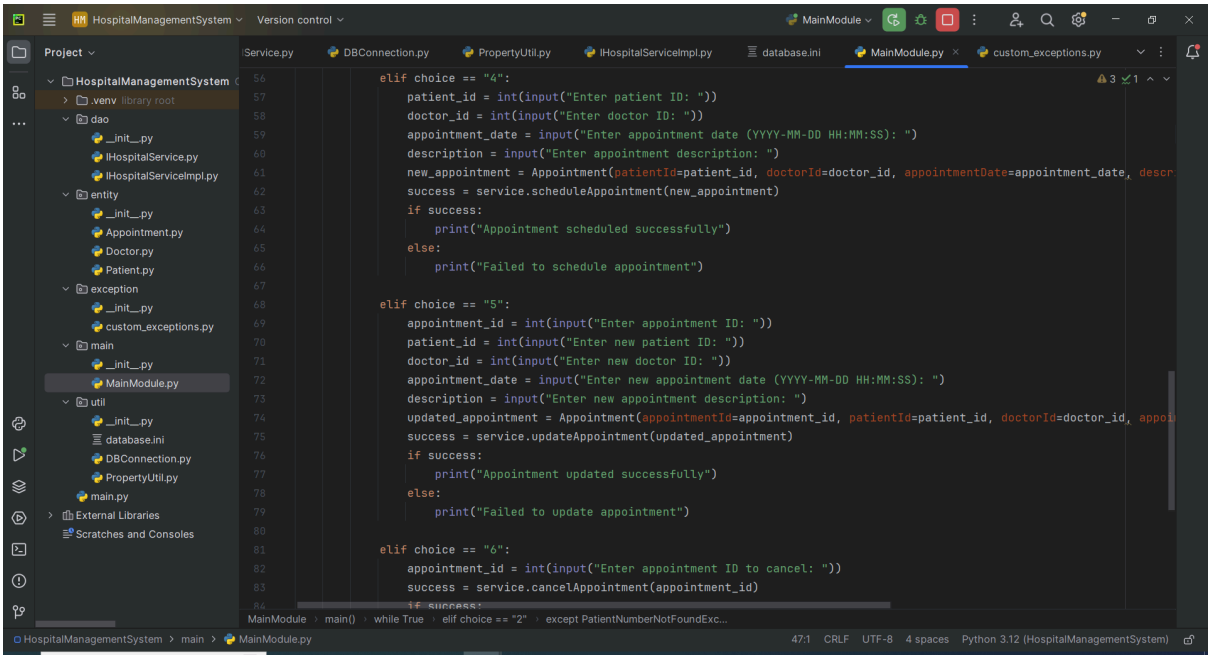
9. Create class named MainModule with main method in package mainmod. Trigger all the methods in service implementation class.

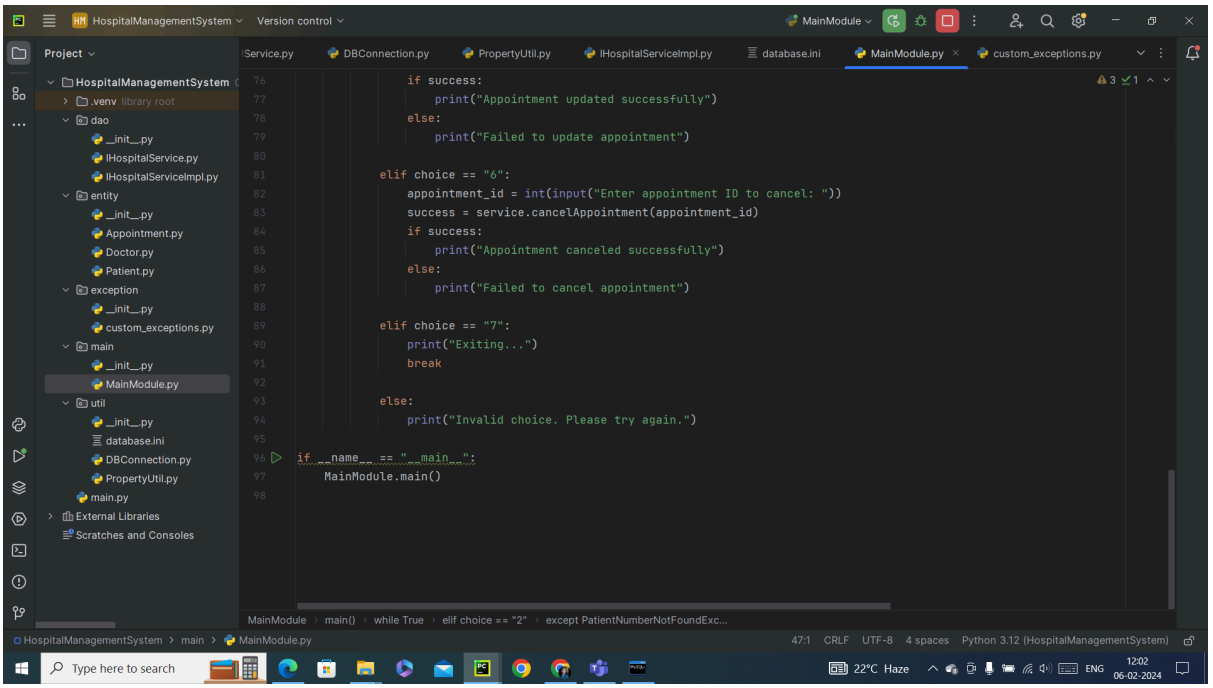


```
from dao.IHospitalServiceImpl import HospitalServiceImpl
from entity.Appointment import Appointment
from exception.custom_exceptions import PatientNumberNotFoundException


1 usage
class MainModule:
    1 usage
    @staticmethod
    def main():

        db_config = {
            'host': 'localhost',
            'database': 'hospitalmanagementsystem',
            'user': 'root',
            'password': 'ABcd300#$',
            'port': '3306'
        }

        service = HospitalServiceImpl(db_config)

        while True:
            print("\nHospital Management System Menu:")
            print("1. Get appointment by ID")
            print("2. Get appointments for patient")
            print("3. Get appointments for doctor")
            print("4. Schedule appointment")
            print("5. Update appointment")
            print("6. Cancel appointment")
```



```
            choice = input("Enter your choice: ")

            if choice == "1":
                appointment_id = int(input("Enter appointment ID: "))
                try:
                    appointment = service.getAppointmentById(appointment_id)
                    print(appointment)
                except PatientNumberNotFoundException as e:
                    print(e)

            elif choice == "2":
                patient_id = int(input("Enter patient ID: "))
                try:
                    appointments = service.getAppointmentsForPatient(patient_id)
                    for appointment in appointments:
                        print(appointment)
                except PatientNumberNotFoundException as e:

                    print(e)

            elif choice == "3":
                doctor_id = int(input("Enter doctor ID: "))
                appointments = service.getAppointmentsForDoctor(doctor_id)
                for appointment in appointments:
                    print(appointment)

            elif choice == "4":
                patient_id = int(input("Enter patient ID: "))
```


HospitalManagementSystem
Version control
MainModule
Project
Service.py
DBConnection.py
PropertyUtil.py
IHospitalServiceImpl.py
database.ini
MainModule.py
custom_exceptions.py
HospitalManagementSystem
.venv library root
dao
__init__.py
IHospitalService.py
IHospitalServiceImpl.py
entity
__init__.py
Appointment.py
Doctor.py
Patient.py
exception
__init__.py
custom_exceptions.py
main
__init__.py
MainModule.py
util
__init__.py
database.ini
DBConnection.py
PropertyUtil.py
main.py
External Libraries
Scratches and Consoles
elif choice == "4":
patient_id = int(input("Enter patient ID: "))
doctor_id = int(input("Enter doctor ID: "))
appointment_date = input("Enter appointment date (YYYY-MM-DD HH:MM:SS): ")
description = input("Enter appointment description: ")
new_appointment = Appointment(patientId=patient_id, doctorId=doctor_id, appointmentDate=appointment_date, descr
success = service.scheduleAppointment(new_appointment)
if success:
print("Appointment scheduled successfully")
else:
print("Failed to schedule appointment")
elif choice == "5":
appointment_id = int(input("Enter appointment ID: "))
patient_id = int(input("Enter new patient ID: "))
doctor_id = int(input("Enter new doctor ID: "))
appointment_date = input("Enter new appointment date (YYYY-MM-DD HH:MM:SS): ")
description = input("Enter new appointment description: ")
updated_appointment = Appointment(appointmentId=appointment_id, patientId=patient_id, doctorId=doctor_id, appoi
success = service.updateAppointment(updated_appointment)
if success:
print("Appointment updated successfully")
else:
print("Failed to update appointment")
elif choice == "6":
appointment_id = int(input("Enter appointment ID to cancel: "))
success = service.cancelAppointment(appointment_id)
if success:
MainModule › main() › while True › elif choice == "2" › except PatientNumberNotFoundExc...
HospitalManagementSystem › main › MainModule.py
47:1 CRLF UTF-8 4 spaces Python 3.12 (HospitalManagementSystem)


HospitalManagementSystem
Version control
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HospitalManagementSystem
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entity
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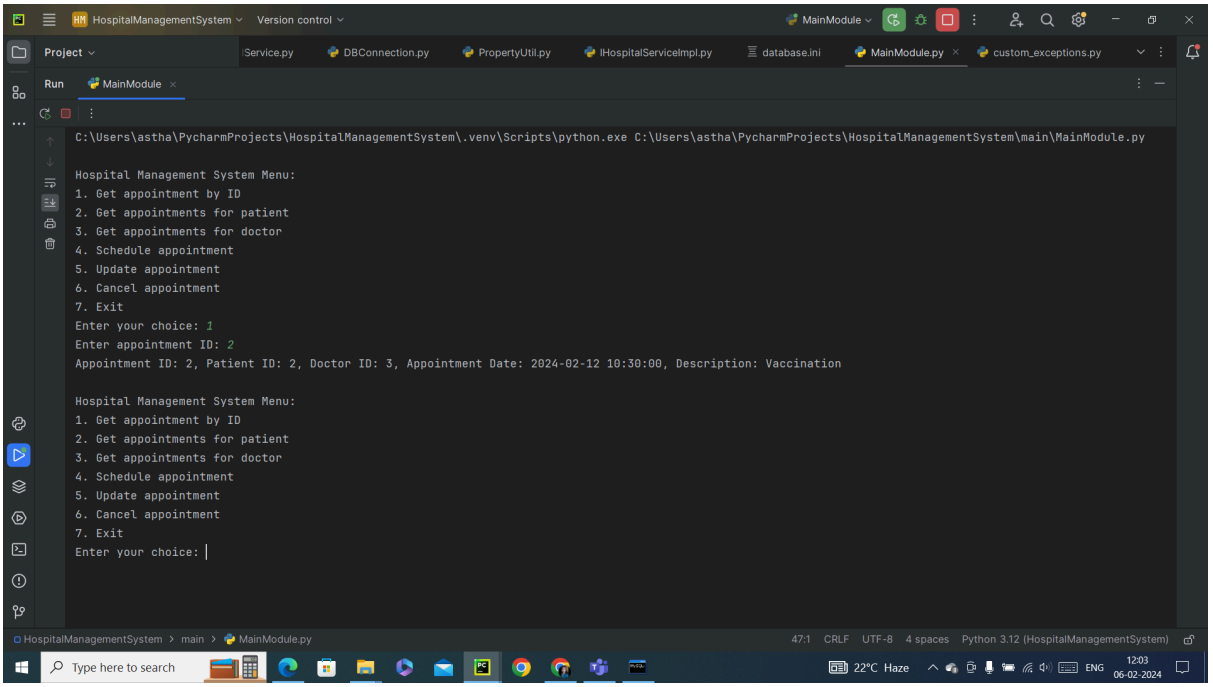
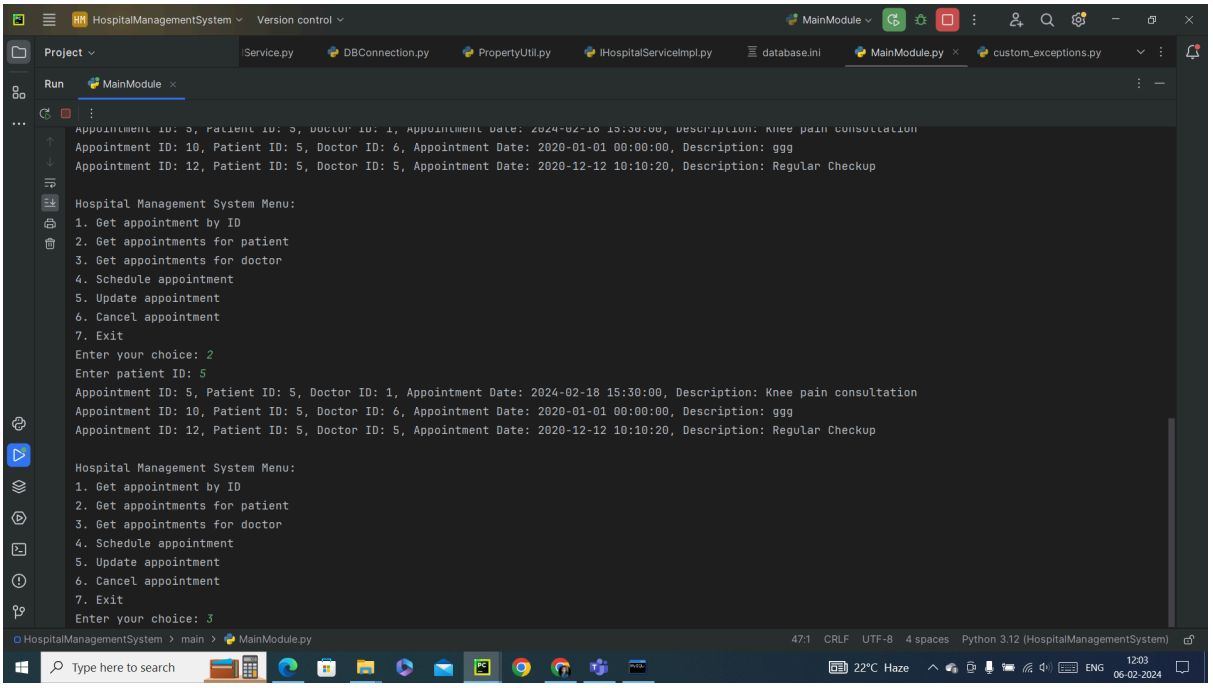
Appointment.py
Doctor.py
Patient.py
exception
__init__.py
custom_exceptions.py
main
__init__.py
MainModule.py
util
__init__.py
database.ini
DBConnection.py
PropertyUtil.py
main.py
External Libraries
Scratches and Consoles
if success:
print("Appointment updated successfully")
else:
print("Failed to update appointment")
elif choice == "6":
appointment_id = int(input("Enter appointment ID to cancel: "))
success = service.cancelAppointment(appointment_id)
if success:
print("Appointment canceled successfully")
else:
print("Failed to cancel appointment")
elif choice == "7":
print("Exiting...")
break
else:
print("Invalid choice. Please try again.")
if __name__ == "__main__":
MainModule.main()
MainModule › main() › while True › elif choice == "2" › except PatientNumberNotFoundExc...
HospitalManagementSystem › main › MainModule.py
47:1 CRLF UTF-8 4 spaces Python 3.12 (HospitalManagementSystem)
Type here to search
22°C Haze
ENG
12:02
06-02-2024


HospitalManagementSystem
Version control
MainModule
Project
Service.py
DBConnection.py
PropertyUtil.py
IHospitalServiceImpl.py
database.ini
MainModule.py
custom_exceptions.py
Run
MainModule
C:\Users\astha\PycharmProjects\HospitalManagementSystem\.venv\Scripts\python.exe C:\Users\astha\PycharmProjects\HospitalManagementSystem\main\MainModule.py
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 1
Enter appointment ID: 2
Appointment ID: 2, Patient ID: 2, Doctor ID: 3, Appointment Date: 2024-02-12 10:30:00, Description: Vaccination
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice:
HospitalManagementSystem > main > MainModule.py
47:1 CRLF UTF-8 4 spaces Python 3.12 (HospitalManagementSystem)
Type here to search
22°C Haze
ENG
12:03
06-02-2024


HospitalManagementSystem
Version control
MainModule
Project
Service.py
DBConnection.py
PropertyUtil.py
IHospitalServiceImpl.py
database.ini
MainModule.py
custom_exceptions.py
Run
MainModule
Appointment ID: 10, Patient ID: 5, Doctor ID: 6, Appointment Date: 2020-01-01 00:00:00, Description: ggg
Appointment ID: 12, Patient ID: 5, Doctor ID: 5, Appointment Date: 2020-12-12 10:10:20, Description: Regular Checkup
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 2
Enter patient ID: 5
Appointment ID: 5, Patient ID: 5, Doctor ID: 1, Appointment Date: 2024-02-18 15:30:00, Description: Knee pain consultation
Appointment ID: 10, Patient ID: 5, Doctor ID: 6, Appointment Date: 2020-01-01 00:00:00, Description: ggg
Appointment ID: 12, Patient ID: 5, Doctor ID: 5, Appointment Date: 2020-12-12 10:10:20, Description: Regular Checkup
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 3
HospitalManagementSystem > main > MainModule.py
47:1 CRLF UTF-8 4 spaces Python 3.12 (HospitalManagementSystem)
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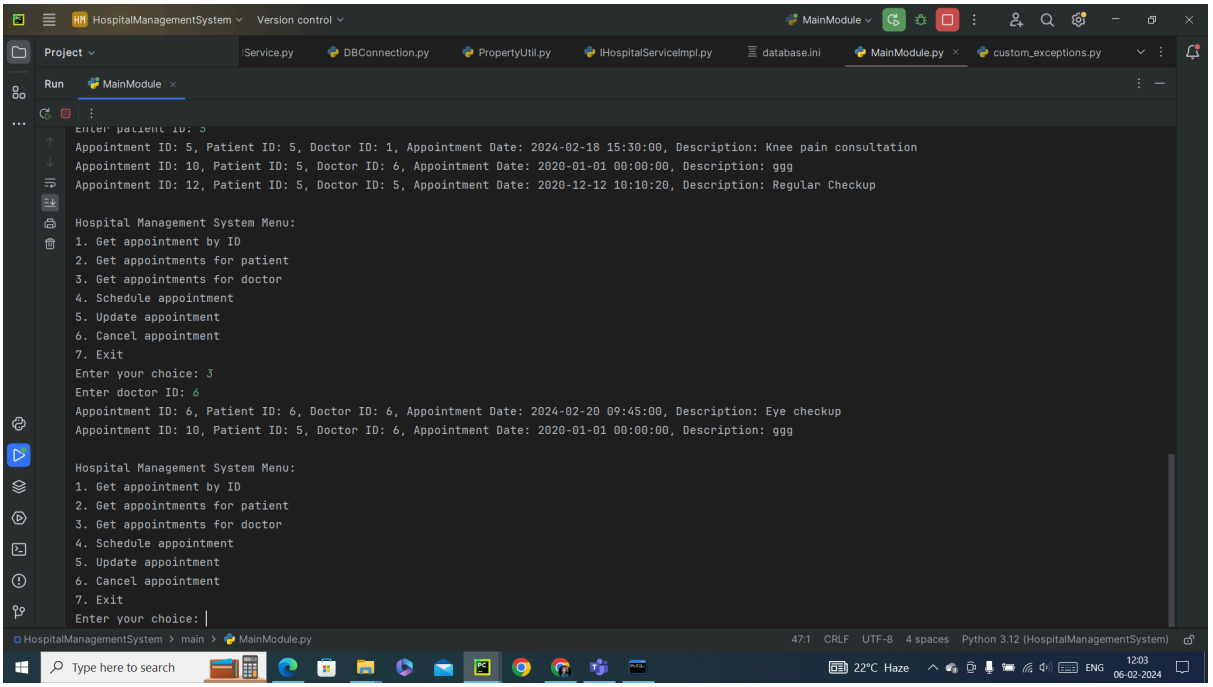
HospitalManagementSystem
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Run
MainModule
Enter patient ID: 5
Appointment ID: 5, Patient ID: 5, Doctor ID: 1, Appointment Date: 2024-02-18 15:30:00, Description: Knee pain consultation
Appointment ID: 10, Patient ID: 5, Doctor ID: 6, Appointment Date: 2020-01-01 00:00:00, Description: ggg
Appointment ID: 12, Patient ID: 5, Doctor ID: 5, Appointment Date: 2020-12-12 10:10:20, Description: Regular Checkup
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 3
Enter doctor ID: 6
Appointment ID: 6, Patient ID: 6, Doctor ID: 6, Appointment Date: 2024-02-20 09:45:00, Description: Eye checkup
Appointment ID: 10, Patient ID: 5, Doctor ID: 6, Appointment Date: 2020-01-01 00:00:00, Description: ggg
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice:
HospitalManagementSystem > main > MainModule.py
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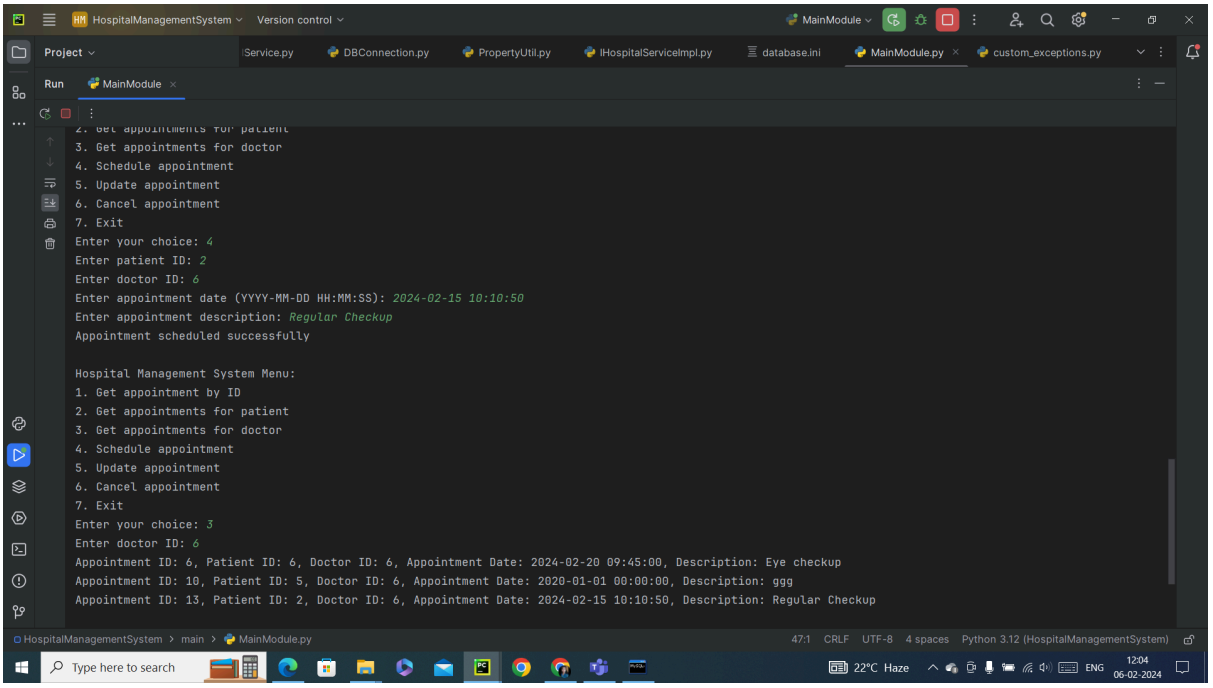
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custom_exceptions.py
Run
MainModule
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 4
Enter patient ID: 2
Enter doctor ID: 6
Enter appointment date (YYYY-MM-DD HH:MM:SS): 2024-02-15 10:10:50
Enter appointment description: Regular Checkup
Appointment scheduled successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 3
Enter doctor ID: 6
Appointment ID: 6, Patient ID: 6, Doctor ID: 6, Appointment Date: 2024-02-20 09:45:00, Description: Eye checkup
Appointment ID: 10, Patient ID: 5, Doctor ID: 6, Appointment Date: 2020-01-01 00:00:00, Description: ggg
Appointment ID: 13, Patient ID: 2, Doctor ID: 6, Appointment Date: 2024-02-15 10:10:50, Description: Regular Checkup
HospitalManagementSystem > main > MainModule.py
47:1 CRLF UTF-8 4 spaces Python 3.12 (HospitalManagementSystem)
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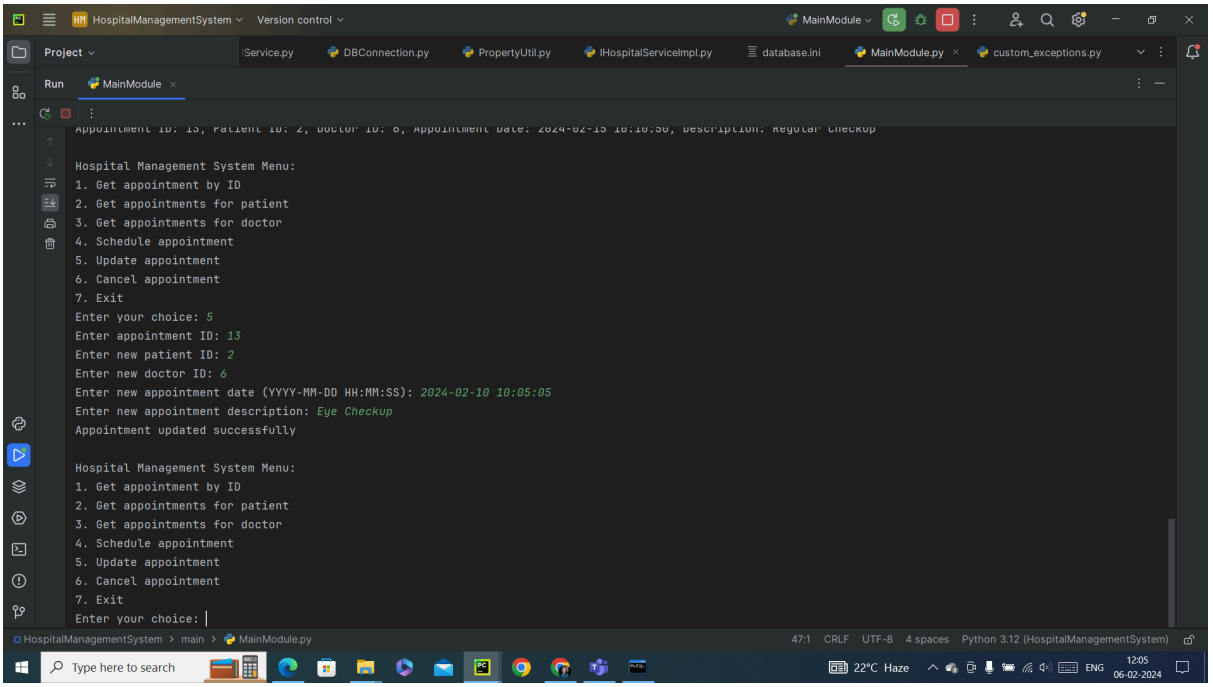
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MainModule.py
custom_exceptions.py
Run
MainModule
Appointment ID: 13, Patient ID: 2, Doctor ID: 6, Appointment Date: 2024-02-13 10:10:30, Description: Regular Checkup
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 5
Enter appointment ID: 13
Enter new patient ID: 2
Enter new doctor ID: 6
Enter new appointment date (YYYY-MM-DD HH:MM:SS): 2024-02-10 10:05:05
Enter new appointment description: Eye Checkup
Appointment updated successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice:
HospitalManagementSystem > main > MainModule.py
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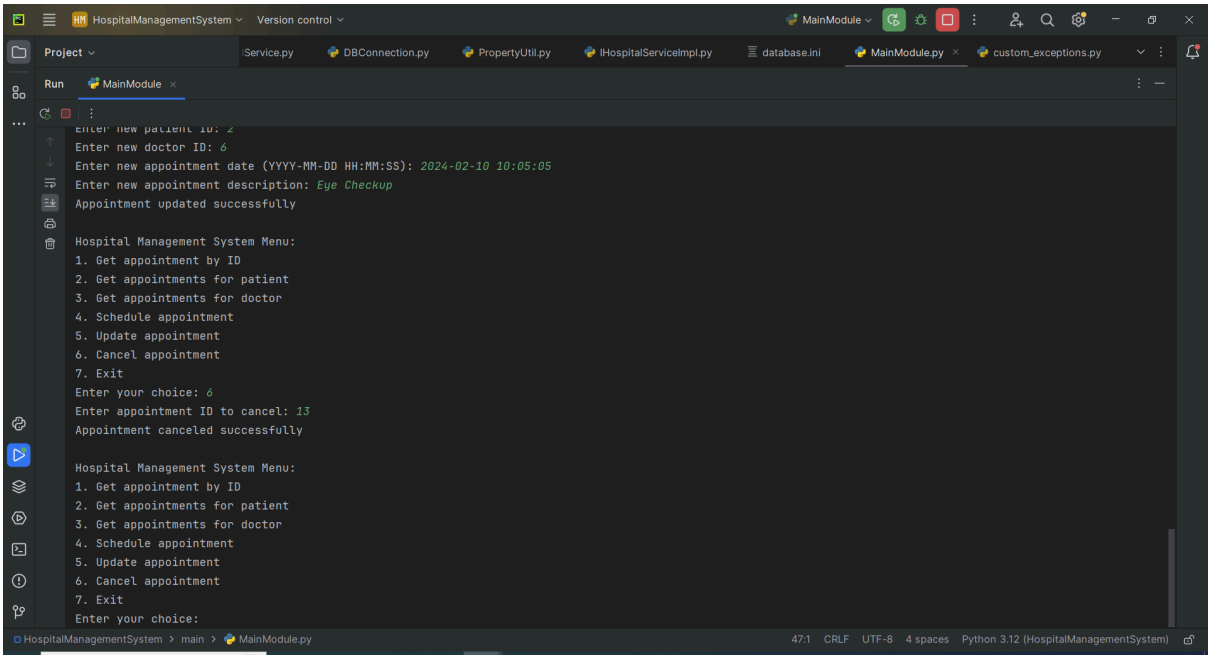
06-02-2024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Run
MainModule
Enter new patient ID: 2
Enter new doctor ID: 6
Enter new appointment date (YYYY-MM-DD HH:MM:SS): 2024-02-10 10:05:05
Enter new appointment description: Eye Checkup
Appointment updated successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 6
Enter appointment ID to cancel: 13
Appointment canceled successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice:
HospitalManagementSystem > main > MainModule.py
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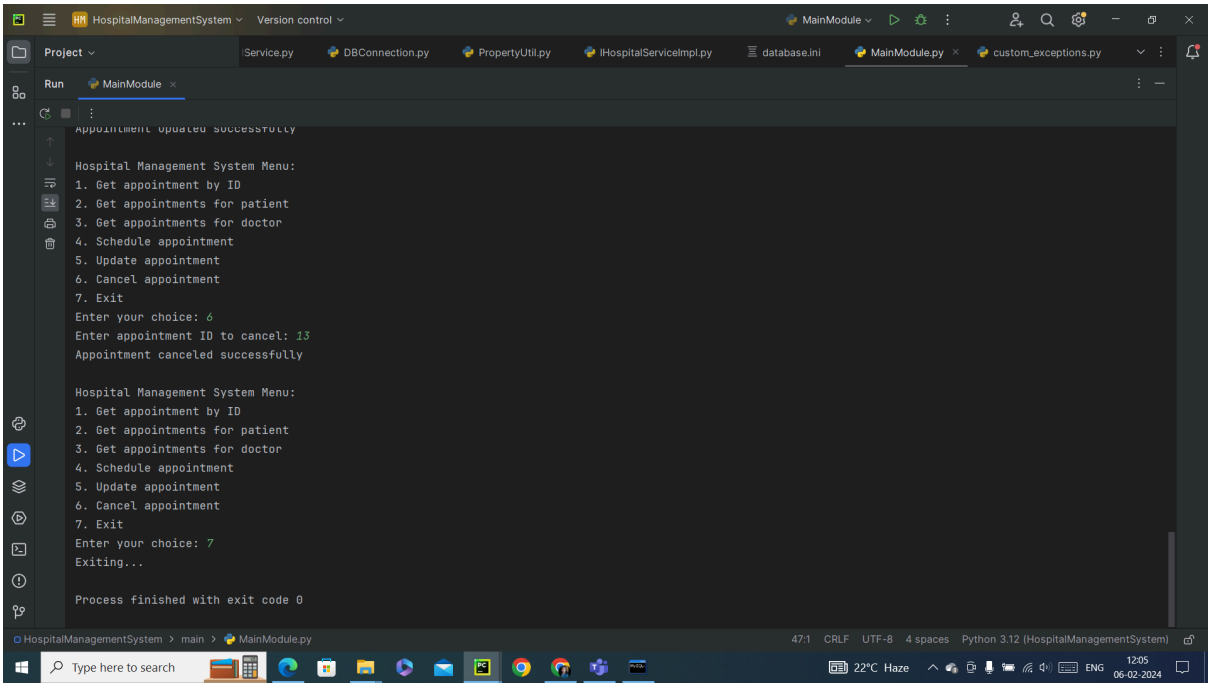
HospitalManagementSystem
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Run
MainModule
Appointment updated successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 6
Enter appointment ID to cancel: 13
Appointment canceled successfully
Hospital Management System Menu:
1. Get appointment by ID
2. Get appointments for patient
3. Get appointments for doctor
4. Schedule appointment
5. Update appointment
6. Cancel appointment
7. Exit
Enter your choice: 7
Exiting...
Process finished with exit code 0
HospitalManagementSystem > main > MainModule.py
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ENG
12:05
06-02-2024