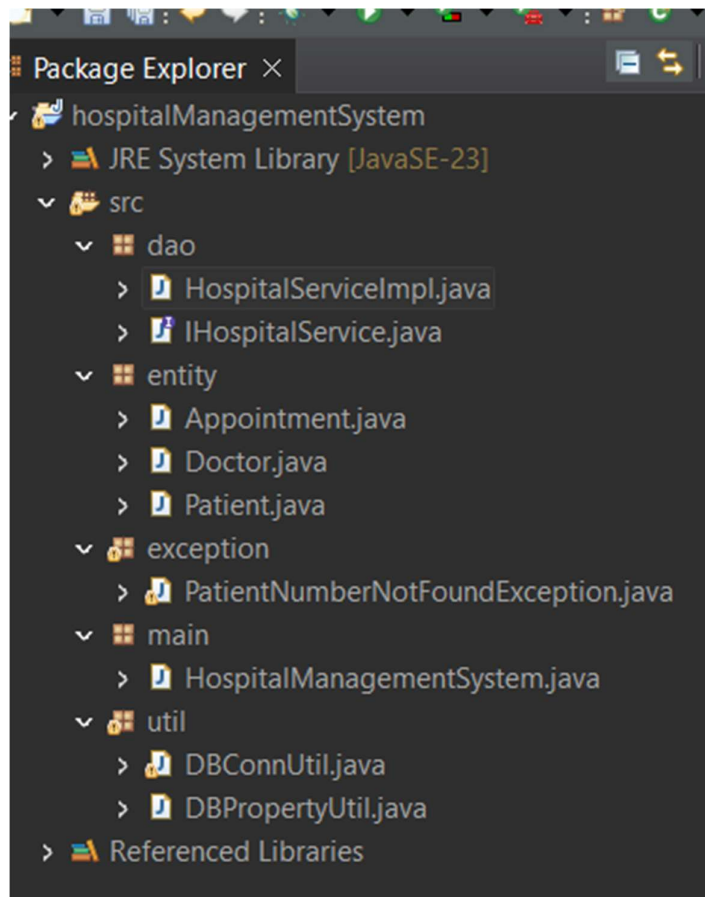


HOSPITAL MANAGEMENT SYSTEM

1. Directory structure followed in the application:



- ## 2. Creating the sql schema:

- Patient table:

[illegible]

- Doctor table:

hospital_db patient doctor **appointment**

Limit to 1000 rows

1 • `SELECT * FROM hospital_db.doctor;`

Result Grid Filter Rows: Edit:

	doctorId	firstName	lastName	specialization	contactNumber
▶	1	Aniket	Saxena	Cardiologist	6541230892
	2	Nidhi	Kumar	Neurologist	5324793156
*	NULL	NULL	NULL	NULL	NULL

- Appointment table:

hospital_db patient doctor **appointment**

Limit to 1000 rows

1 • `SELECT * FROM hospital_db.appointment;`

Result Grid Filter Rows: Edit: Export/Import:

	appointmentId	patientId	doctorId	appointmentDate	description
▶	1	1	1	2025-04-10	Regular check up
	2	2	2	2025-04-12	Migraine consultation
*	NULL	NULL	NULL	NULL	NULL

3. Implementation of all the methods:

(a) getAppointmentById():

```
Problems Javadoc Declaration Console X
HospitalManagementSystem [Java Application] C:\Users\Mruganka\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\bin\java
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 1
Enter Appointment ID: 5
Appointment not found.

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 1
Enter Appointment ID: 2
Appointment [appointmentId=2, patientId=2, doctorId=2, appointmentDate=2025-04-12, description=Migraine consultation]
```

(b) getAppointmentsForPatient():

```
Problems Javadoc Declaration Console X
HospitalManagementSystem [Java Application] C:\Users\Mruganka\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 2
Enter Patient ID: 2
Appointment [appointmentId=2, patientId=2, doctorId=2, appointmentDate=2025-04-12, description=Migraine consultation]

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 2
Enter Patient ID: 6
Patient ID not found: 6
```

(c) `getAppointmentsForDoctor()`

```
Problems Javadoc Declaration Console X
HospitalManagementSystem [Java Application] C:\Users\Mruganka\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 3
Enter Doctor ID: 2
Appointment [appointmentId=2, patientId=2, doctorId=2, appointmentDate=2025-04-12, description=Migraine consultation]

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 3
Enter Doctor ID: 3
No appointments found for this doctor.
```

(d) `scheduleAppointment()`:

```
Problems Javadoc Declaration Console X
HospitalManagementSystem [Java Application] C:\Users\Mruganka\.p2\pool\plugins\o
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 4
Enter Appointment ID: 4
Enter Patient ID: 2
Enter Doctor ID: 2
Enter Appointment Date (YYYY-MM-DD): 2025-04-11
Enter Description: consultation for operation
Appointment scheduled successfully.
```

hospital_db patient doctor appointment

Limit to 1000 rows

1 • `SELECT * FROM hospital_db.appointment;`

Execute the statement under the keyboard cursor

Result Grid

Filter Rows:

Edit: Export/Import

	appointmentId	patientId	doctorId	appointmentDate	description
▶	1	1	1	2025-04-10	Regular check up
	2	2	2	2025-04-12	Migraine consultation
	4	2	2	2025-04-11	consultation for operation
*	NULL	NULL	NULL	NULL	NULL

(e) updateAppointment():

```

HospitalManagementSystem [Java Application] C:\Users\Mruganka\.p2\pool\plugi
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 5
Enter Appointment ID to update: 4
Enter New Patient ID: 2
Enter New Doctor ID: 2
Enter New Appointment Date (YYYY-MM-DD): 2025-04-12
Enter New Description: operation
Appointment updated successfully.

```

hospital_db patient doctor appointment

Limit to 1000 rows

1 • `SELECT * FROM hospital_db.appointment;`

Execute the statement under the keyboard cursor

Result Grid

	appointmentId	patientId	doctorId	appointmentDate	description
▶	1	1	1	2025-04-10	Regular check up
	2	2	2	2025-04-12	Migraine consultation
	4	2	2	2025-04-12	operation
*	NULL	NULL	NULL	NULL	NULL

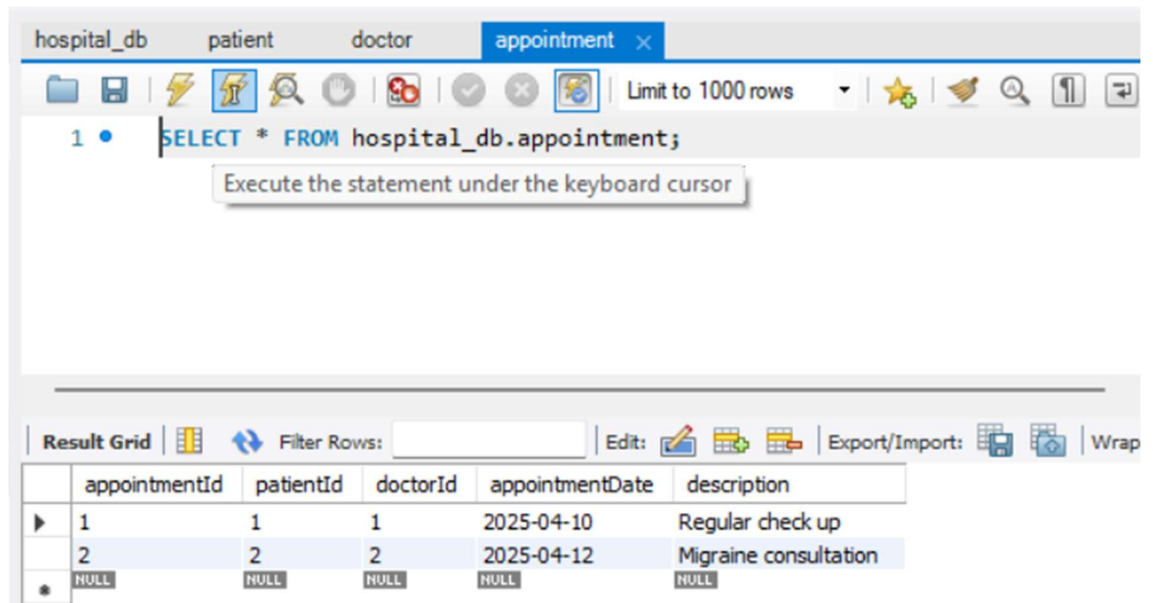
(f) `cancelAppointment()`:

```

Problems Javadoc Declaration Console
HospitalManagementSystem [Java Application] C:\Users\Mrugank
----- Welcome to Hospital Management System -----

Menu:
1. View Appointment by ID
2. View Appointments for Patient
3. View Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
0. Exit
Enter your choice: 6
Enter Appointment ID to cancel: 4
Appointment cancelled successfully.

```

(g) Exiting the system:

