

Test Case 1: View Medical Record (Patient)

```
===== These are your medical records =====
Your ID: P001
Your Name: Jake
Your DOB: 01/01/2010
BloodType: A
Email Address: temp@gmail.com
Phone Number: 99999994

2 records found! Your records:

Medical Record 1
Treatment: PWS10M000000
Date of treatment: 2024-12-30
Doctor in charge: Jack

Consultation notes:
Critical Details: vaccination
Complaints: nothing
Further information: nothing

Medication prescribed:
Prescription 1: Panadol

Medical Record 2
Treatment: MRI
Date of treatment: 2024-11-15
Doctor in charge: Jack

Consultation notes:
Critical Details: None
Complaints: None
Further information: None
```

[Image: Output of Patient's Information and his/her Appointment History.]

As a **Patient**, they can view their personal information and past medical records when the function is called. The patient is not allowed to see other patients' records (Encapsulation). The patient can see the type of Medical Services they went through solely based on their past appointments

Test Case 2: Update Personal Information (Patient)

```
===== Which Contact Info Do You Want to Update =====
(1) Email
(2) Phone
(0) Exit
1
Key in your new email address:
temp@gmail.com
Updated your email
```

```
===== These are your medical records =====
Your ID: P001
Your Name: Jake
Your DOB: 01/01/2010
BloodType: A
Email Address: temp@gmail.com
Phone Number: 99999994
```

[Image: Update of Patient's Information and his/her information.]

As a **Patient**, they can update their personal information. The patient is not allowed to see other patients' records. (Encapsulation)

The system sets the new details on the respective fields: Email or Phone.

Ensures that Phone must have 8 numbers and Email should be "." and "@" in the input before successful dialog is given.

Test Case 3 & 4: View Available Appointment Slots and Schedule Appointment

(Patient)

```
Choice 1: View Medical Record
Choice 2: Update Personal Information
Choice 3: Schedule an Appointment
Choice 4: Reschedule an Appointment
Choice 5: Cancel an Appointment
Choice 6: View Scheduled Appointments
Choice 7: View Past Appointment Outcome Records
Choice 8: View Outstanding Billing
Choice 9: Logout
```

```
3
Which month are you interested in?
```

```
Press (1) for Jan
Press (2) for Feb
Press (3) for Mar
Press (4) for Apr
Press (5) for May
Press (6) for Jun
Press (7) for Jul
Press (8) for Aug
Press (9) for Sep
Press (10) for Oct
Press (11) for Nov
Press (12) for Dec
12
```

```
These are the time slots for the appointment
```

```
Press (1) for 0900 - 1000
Press (2) for 1000 - 1100
Press (3) for 1100 - 1200
Press (4) for 1200 - 1300
Press (5) for 1300 - 1400
Press (6) for 1400 - 1500
Press (7) for 1500 - 1600
Press (8) for 1600 - 1700
```

```
1
These are the following doctors:
```

```
Press (1) for Dr Jack ID: D001
```

```
Which doctor do you want?
```

```
1
```

```
Legends:
```

```
X: PASSED THE DATE
```

```
T: TAKEN
```

```
DECEMBER, 2024
```

```
SUN MON TUE WED THU FRI SAT
```

```
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
```

```
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
```

```
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
```

```
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
```

```
| 29 | 30 | 31 |
```

```
Which date do you want to pick?
```

```
or Press - to go back
```

```
1
```

Patients are able to schedule appointment slots with doctors, including doctor's name and details.

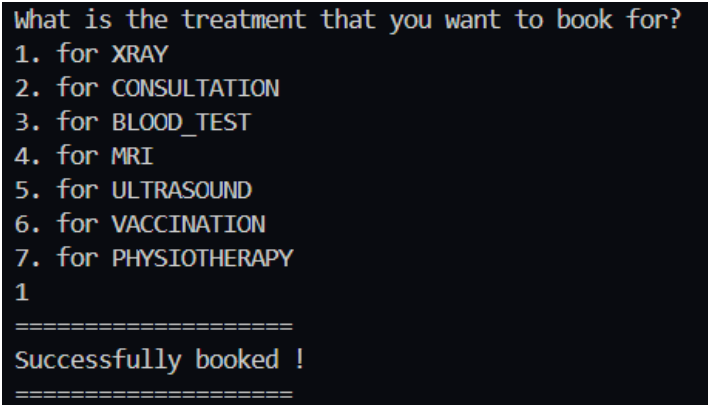
Patients are required to pick the month that they are interested in and the available hospital operating time slots.

Time slots are sorted in every 1 hour for them to choose.

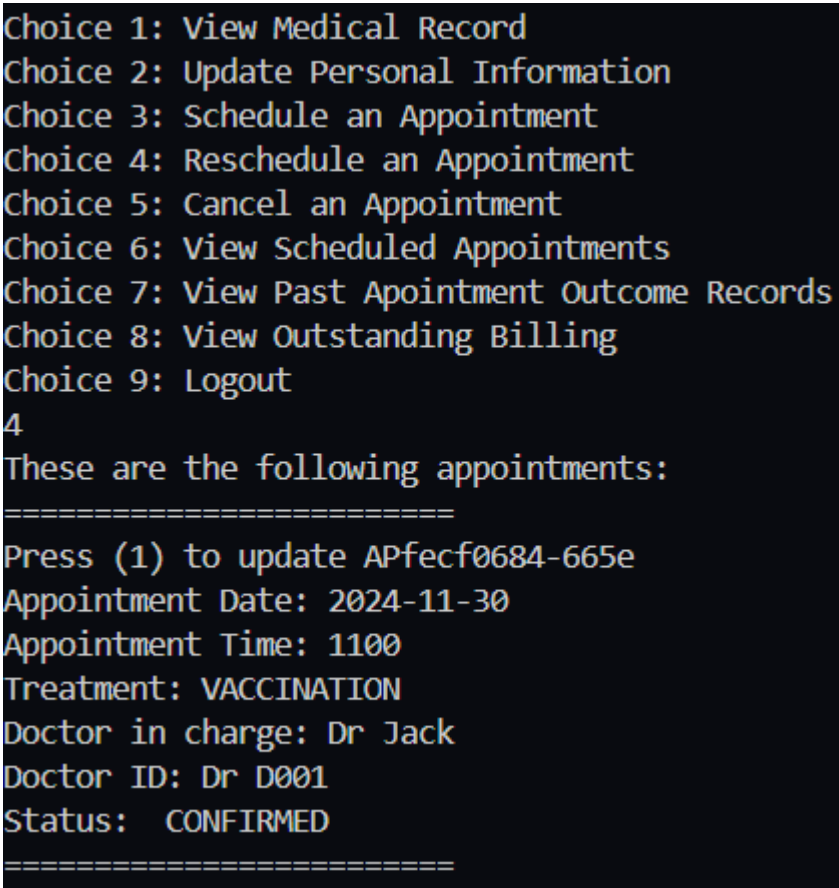
After choosing the time and month, a GUI of a real time Calendar is generated to show Patients the dates that (T) taken or (X) for dates that have already passed.

Patients can only pick the dates that did not meet conditions mentioned above

After Patients are done with the DatePicker, they will have to choose the Medical Service available

 <p>What is the treatment that you want to book for?</p> <ol style="list-style-type: none"> 1. for XRAY 2. for CONSULTATION 3. for BLOOD_TEST 4. for MRI 5. for ULTRASOUND 6. for VACCINATION 7. for PHYSIOTHERAPY <p>1</p> <p>=====</p> <p>Successfully booked !</p> <p>=====</p> <p>[Image: Update of Patient's Information and his/her information.]</p>	
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Test Case 5: Reschedule an Appointment (Patient)

 <p>Choice 1: View Medical Record</p> <p>Choice 2: Update Personal Information</p> <p>Choice 3: Schedule an Appointment</p> <p>Choice 4: Reschedule an Appointment</p> <p>Choice 5: Cancel an Appointment</p> <p>Choice 6: View Scheduled Appointments</p> <p>Choice 7: View Past Appointment Outcome Records</p> <p>Choice 8: View Outstanding Billing</p> <p>Choice 9: Logout</p> <p>4</p> <p>These are the following appointments:</p> <p>=====</p> <p>Press (1) to update APfecf0684-665e</p> <p>Appointment Date: 2024-11-30</p> <p>Appointment Time: 1100</p> <p>Treatment: VACCINATION</p> <p>Doctor in charge: Dr Jack</p> <p>Doctor ID: Dr D001</p> <p>Status: CONFIRMED</p> <p>=====</p>	<p>Patients can pick the options from (1 to n) for each appointment and reschedule their scheduled appointment based on the time or date that they want.</p> <p>(E.g. in this case, we are updating the time slot so we picked the desired time slot and it will be updated to the respective appointment.)</p> <p>(Successful Dialog will be issued)</p>
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Key in the choice

1

What do you want to update on?

(1) Time

(2) Date

1

These are the time slots for the appointment

Press (1) for 0900 - 1000

Press (2) for 1000 - 1100

Press (3) for 1100 - 1200

Press (4) for 1200 - 1300

Press (5) for 1300 - 1400

Press (6) for 1400 - 1500

Press (7) for 1500 - 1600

Press (8) for 1600 - 1700

5

=====

Successfully updated time !

=====

Test Case 6: Cancel an Appointment (Patient)

```
Choice 1: View Medical Record
Choice 2: Update Personal Information
Choice 3: Schedule an Appointment
Choice 4: Reschedule an Appointment
Choice 5: Cancel an Appointment
Choice 6: View Scheduled Appointments
Choice 7: View Past Appointment Outcome Record
Choice 8: View Outstanding Billing
Choice 9: Logout
```

5

These are the following appointments:

=====

Press (1) to delete APfecf0684-665e

Appointment Date: 2024-11-30

Appointment Time: 1300

Treatment: VACCINATION

Doctor in charge: Dr Jack

Doctor ID: Dr D001

Status: CONFIRMED

=====

=====

Press (3) to delete AP37e57f6d-0e98

Appointment Date: 2024-12-30

Appointment Time: 1500

Treatment: VACCINATION

Doctor in charge: Dr Jack

Doctor ID: Dr D001

Status: PENDING

press (-) to go back

3

=====

Successfully deleted !

=====

Patients can cancel their appointment.

Patients can pick the options from (1 to n) for each appointment and cancel their scheduled appointment.

(E.g. in this case, we are deleting the 3rd appointment)

(Successful Dialog will be issued)

Test Case 7: View Scheduled Appointment (Patient)

```
Choice 1: View Medical Record
Choice 2: Update Personal Information
Choice 3: Schedule an Appointment
Choice 4: Reschedule an Appointment
Choice 5: Cancel an Appointment
Choice 6: View Scheduled Appointments
Choice 7: View Past Appointment Outcome Records
Choice 8: View Outstanding Billing
Choice 9: Logout
6
```

```
=== Confirmed appointments ===
=====
Appointment ID: AP26821aaa-a62a
Appointment Date: 2024-12-06
Appointment Time: 1200
Treatment: MRI
Doctor in charge: Dr Jack
Doctor ID: Dr D001
Status: CONFIRMED
=====
```

```
=== Pending appointments ===
=====
Appointment Date: 2024-12-30
Appointment Time: 1500
Treatment: VACCINATION
Doctor in charge: Dr Jack
Doctor ID: Dr D001
Status: PENDING
=====

=== Cancelled appointments ===
```

Patient can view their scheduled appointments

Appointments are segregated among CONFIRMED, PENDING AND CANCELLED.

It will show the Appointment ID, Appointment Date etc.

Test Case 8: View Appointment Outcome Records for Past Appointments (Patient)

<pre>=== Cancelled appointments === Choice 1: View Medical Record Choice 2: Update Personal Information Choice 3: Schedule an Appointment Choice 4: Reschedule an Appointment Choice 5: Cancel an Appointment Choice 6: View Scheduled Appointments Choice 7: View Past Appointment Outcome Choice 8: View Outstanding Billing Choice 9: Logout 7 === Past appointments === ===== Appointment Date: 2024-12-30 Appointment Time: 1500 Treatment: PHYSIOTHERAPY Doctor in charge: Dr Jack Doctor ID: Dr D001 Status: COMPLETED Medications: 1. Panadol ===== Analysis Report vaccination nothing nothing ===== =====</pre>	<p>Patients view their appointment outcome records for their past appointments.</p> <p>The Medications administered to them and the analysis report given by the Doctor will be shown.</p> <p>Analysis Report which is the consultation notes will include the Critical Details, Complaints, and further information.</p>
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Test Case 9: View Patient Medical Records(Doctor)

<pre>===== Which Patient Medical Record Do You Want to View ===== 0. Enter 0 to return 1: Jake 2: Jane 3: Mary 3 ===== Patient Information ===== Patient Name: Mary Patient ID: P002 Gender: MALE DOB: 01/01/2010 Blood Type: A ===== Contact Information ===== Email Address:P002@gmail.com Contact Number:99999996 ===== Medical Records ===== 1 medical records found! Record 1 Treatment: XRAY Date: 25/12/24 Doctor in charge: Dr Jack Consultation notes: Critical Details: Cancer cells spreading fast Complaints: Bladder pain Further information: Financial issues for treatment Medication prescribed: Prescription 1: Panadol</pre>	<p>Doctor can select which patient under him/her to view their medical records</p>
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Test Case 10: Update Patient Medical Records (Doctor)

<pre>Please enter Patient ID: P002 Please enter Appointment ID: AP36ca923b-4b51 Appointment found! ===== Please input consultation notes! Critical Details: Cancer cells spreading fast Complaints: Bladder pain Further Information: Financial issues for treatment 0. Exit prescription process 1. Prescription needed for patient 1 Enter the name of prescription Panadol Medication successfully prescribed 0. Exit prescription process 1. Prescription needed for patient 0 Stop adding medicines, moving on ... ===== Please input the treatment done ===== 1. XRAY 2. CONSULTATION 3. BLOOD_TEST 4. MRI 5. ULTRASOUND 6. VACCINATION 7. PHYSIOTHERAPY 1 ===== Patient Information ===== Patient Name: Mary Patient ID: P002 Gender: MALE DOB: 01/01/2010 Blood Type: A ===== Contact Information ===== Email Address:P002@gmail.com Contact Number:99999996 ===== Medical Records ===== 1 medical records found! Record 1 Treatment: XRAY Date: 25/12/24 Doctor in charge: Dr Jack Consultation Notes: Complaints: Bladder pain Critical Details: Cancer cells spreading fast Further Information: Financial issues for treatment Medication prescribed: Prescription 1: Panadol</pre>	<p>Doctors can update specific patient's medical records</p>
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Test Case 11: View Personal Schedule (Doctor)

<pre>=== Personal Schedule === Appointment 1: Treatment: BLOOD_TEST Date: 23/12/24 Time: 1200 Appointment 2: Treatment: MRI Date: 6/12/24 Time: 1200</pre>	<p>Doctors view their personal schedule.</p>
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Test Case 13: Accept or Decline Appointment Requests (Doctor)

<pre>Appointment 1: Treatment: PHYSIOTHERAPY Date: 30/12/24 Time: 1500 Would you like to accept? 1. YES 2. NO 1 Validating appointment ... Appointment successfully accepted! Appointment status: CONFIRMED Appointment 2: Treatment: VACCINATION Date: 30/12/24 Time: 1500 Would you like to accept? 1. YES 2. NO 1 Validating appointment ... Schedule clash with a confirmed appointment Appointment acceptance failed!</pre>	Doctor can accept or decline appointment and reflect the appointment status
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Test Case 14: View Upcoming Appointments (Doctor)

<pre>==== Personal Schedule ==== Appointment 1: Treatment: BLOOD_TEST Date: 23/12/24 Time: 1200 Appointment 2: Treatment: MRI Date: 6/12/24 Time: 1200</pre>	Doctor can view upcoming appointment
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Test Case 12 & 15 (Merged): Record Appointment Outcome (Doctor)

<pre>Please enter Patient ID: P002 Please enter Appointment ID: AP36ca923b-4b51 Appointment found! ===== Please input consultation notes! Critical Details: Cancer cells spreading fast Complaints: Bladder pain Further Information: Financial issues for treatment 0. Exit prescription process 1. Prescription needed for patient 1 Enter the name of prescription Panadol Medication successfully prescribed 0. Exit prescription process 1. Prescription needed for patient 0 Stop adding medicines, moving on ... ===== Please input the treatment done ===== 1. XRAY 2. CONSULTATION 3. BLOOD_TEST 4. MRI 5. ULTRASOUND 6. VACCINATION 7. PHYSIOTHERAPY 1</pre> <pre>===== Doctor Menu ===== 1. View Patient Medical Records 2. View Personal Schedule 3. Accept or Decline Appointment Requests 4. Record Appointment Outcome 5. Logout Enter choice: 4 Please enter Patient ID: P001 Please enter Appointment ID: AP36ca923b-4b51 Not certified to process appointment. Goodbye</pre> <pre>===== Patient Information ===== Patient Name: Mary Patient ID: P002 Gender: MALE DOB: 01/01/2010 Blood Type: A ===== Contact Information ===== Email Address: P002@.com Contact Number: 999999996 ===== Medical Records ===== 1 medical records found! Record 1 Treatment: XRAY Date: 25/12/24 Doctor in charge: Dr Jack Consultation Notes: Complaints: Bladder pain Critical Details: Cancer cells spreading fast Further Information: Financial issues for treatment Medication prescribed: Prescription 1: Panadol</pre>	Doctor can only record appointment outcome for a patient that is accepted by the Doctor from the Patient's appointment request. Prescription will refer to medicine inventory to ensure the medication prescribed is in stock or exists. Doctor/Patient can then view this medical record outcome by selecting the view medical record option within their respective menus.
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Test Case 16: View Appointment Outcome Record(Pharmacist)

<pre>What is your user ID? P001 What is your password? password Pharmacist Menu: 1.View Appointment Outcome Record 2.Update Prescription Status 3.View Medication Inventory 4.Submit Replenishment Request 5.Logout Enter choice: 1 Viewing appointment outcome record Appointment ID: APc723e374-13ee Date Completed: 2024-11-21 Medications: Medication has already been DISPENSED</pre>	<p>Pharmacist can view outcome records for prescription processing. Pharmacists can view the appointment outcome record with the appointment ID, the date completed and it also shows the medication status of the appointment.</p>
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Test Case 17: Update Prescription Status(Pharmacist)

<pre>Enter choice: 2 Updating Prescription Status Enter the appointment Id to update the status of prescription: AP964507f3-6580 Prescription for medication ID: Med_002 has been updated to the state DISPENSED. Receipt Transaction ref: TR775c361d-7d5d generated</pre>	<p>Pharmacist can update pending prescription requests made by Doctor. Pharmacists enter the appointment ID so that they can update the prescription status from PENDING to DISPENSED. Additionally, pharmacists can also view the Receipt Transaction reference.</p>
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Test Case 18: View Medication Inventory(Pharmacist)

<pre>Enter choice: 3 Viewing medication inventory Current Medication Inventory: ID: Med_001, Name: Cough Syrup, Stock: 100 ID: Med_002, Name: Panadol, Stock: 4</pre>	<p>Pharmacist can view medication inventory with stock count. This case shows the Medication ID, the name of the medication and stock of the medication for pharmacists to view.</p>
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Test Case 19: Submit replenishment requests(Pharmacist)

<pre>Enter choice: 4 Submitting replenishment request Checking inventory for low stock items.. Low stock detected for: Panadol, Current Stock: 4.</pre>	<p>Pharmacist can flag out low stock items and request for replenishment. When it detects low stock, in this case when stock is less than 10, it submits a replenishment request for the administrator to approve and replenish stock.</p>
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Test Case 20: View and Manage Hospital Staff

Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 1
Viewing and managing hospital staff...
Manage Staff:
1. Add Staff
2. Remove Staff
3. Update Staff
4. Display Filtered Staff List
Choose an option: 4
Enter role to filter by (e.g., DOCTOR, ADMINISTRATOR) or leave blank:
Enter gender to filter by (e.g., MALE, FEMALE) or leave blank:
Enter age to filter by or leave blank:
Staff ID: D001
Name: Jack
Role: DOCTOR
Gender: MALE
Age: 14

Staff ID: P001
Name: Jack
Role: PHARMACIST
Gender: MALE
Age: 14

Staff ID: A001
Name: Jack
Role: ADMINISTRATOR
Gender: MALE
Age: 14

Staff ID: A005
Name: Peter
Role: DOCTOR
Gender: MALE
Age: 14

Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 1
Viewing and managing hospital staff...
Manage Staff:
1. Add Staff
2. Remove Staff
3. Update Staff
4. Display Filtered Staff List
Choose an option: 1
Enter Staff Name: John
Enter Date of Birth (e.g., DD/MM/YYYY): 16/05/2004
Enter Gender (MALE or FEMALE): MALE
Enter Contact Email (e.g., john@gmail.com): john@gmail.com
Enter Staff Role (e.g., ADMINISTRATOR): DOCTOR
Enter Staff Password: password
Staff added successfully.

Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 1
Viewing and managing hospital staff...
Manage Staff:
1. Add Staff
2. Remove Staff
3. Update Staff
4. Display Filtered Staff List
Choose an option: 1
Enter Staff Name: John
Enter Date of Birth (e.g., DD/MM/YYYY): 16/05/2004
Enter Gender (MALE or FEMALE): MALE
Enter Contact Email (e.g., john@gmail.com): john@gmail.com
Enter Staff Role (e.g., ADMINISTRATOR): DOCTOR
Enter Staff Password: password
Staff added successfully.

The administrator can view, add, update, or remove hospital staff. This test verifies if the system accurately displays the staff list and reflects updates, ensuring modifications are correctly processed and recorded in the database for seamless hospital staff management.

[Image: Adding staff by entering View and Manage Hospital Staff and choose Display and add staff]

Test Case 21: View Appointments Details

Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 2
Viewing appointment details...
Appointment Details:
Appointment 1
Appointment ID: AP37e57f6d-0e98
Patient ID: P001
Doctor ID: D001
Status: COMPLETED
Date: 2024-12-30
Time: 1500
Outcome Record:
Consultation notes:
Critical Details: vaccination
Complaints: nothing
Further information: nothing
Medication prescribed:
Prescription 1: Panadol

Appointment 2
Appointment ID: APfecf0684-665e
Patient ID: P001
Doctor ID: D001
Status: CONFIRMED
Date: 2024-11-30
Time: 1100

Appointment 3
Appointment ID: AP906812ab-c6aa
Patient ID: P003
Doctor ID: D001
Status: CONFIRMED
Date: 2024-12-23
Time: 1200

Appointment 4
Appointment ID: AP36ca923b-4b51
Patient ID: P002
Doctor ID: D001
Status: CONFIRMED
Date: 2024-12-25
Time: 1200

Appointment 5
Appointment ID: AP26821aaa-a62a
Patient ID: P001
Doctor ID: D001
Status: CONFIRMED
Date: 2024-12-06
Time: 1200

Appointment 6
Appointment ID: AP964507f3-6580
Patient ID: P001
Doctor ID: D001
Status: COMPLETED
Date: 2024-11-15
Time: 1300
Outcome Record:
Consultation notes:
Critical Details: None
Complaints: None
Further information: None
Medication prescribed:
Prescription 1: Panadol

Appointment 7
Appointment ID: AP37e57f6d-0e98
Patient ID: P001
Doctor ID: D001
Status: PENDING
Date: 2024-12-30
Time: 1500

The administrator views all appointments through the system. The test verifies if appointment details, such as Patient ID, Doctor ID, status (e.g., COMPLETED, PENDING), date, and time, are accurately displayed. It ensures proper retrieval and presentation of data from the appointment records.

[Image: Viewing appointments detail by entering View Appointment Details]

Test Case 22: View and Manage Medication Inventory

```
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 2
Enter Medication ID: Med_001
Enter Stock Quantity: 80
Stock updated for medication: Cough Syrup
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 1
Current Medication Inventory:
Medication ID: Med_001
Name: Cough Syrup
Stock: 100
-----
Medication ID: Med_002
Name: Panadol
Stock: 15
-----
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 2
Enter Medication ID: Med_001
Enter Stock Quantity: 80
Stock updated for medication: Cough Syrup
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 1
Current Medication Inventory:
Medication ID: Med_001
Name: Cough Syrup
Stock: 80
-----
Medication ID: Med_002
Name: Panadol
Stock: 15
-----
```

```
1 Medication_ID,Medication_name,stock,price,
2 Med_001,Cough Syrup,80,5.0,
3 Med_002,Panadol,15,4.0,|
```

The administrator updates medication stock levels in the inventory. This test verifies whether the system correctly processes and displays the updated stock quantities, ensuring accurate inventory tracking and efficient hospital medication management.

Test Case 23: Approve Replenishment Requests

```
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 1
Current Medication Inventory:
Medication ID: Med_001
Name: Cough Syrup
Stock: 100
-----
Medication ID: Med_002
Name: Panadol
Stock: 21
-----
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 4
Enter the replenishment request ID: RR52eddd9f-61fa
Approve this request? (yes/no): yes
Replenishment request for medication: Panadol has been approved. Amount: 2
Replenishment request approval has been saved successfully.
Administrator Menu:
1. View and Manage Hospital Staff
2. View Appointment Details
3. View and Manage Medication Inventory
4. Approve Replenishment Requests
5. Logout
Enter your choice: 3
Managing medication inventory...
Manage Inventory:
1. View Inventory
2. Add or Update Medication Stock
Choose an option: 1
Current Medication Inventory:
Medication ID: Med_001
Name: Cough Syrup
Stock: 100
-----
Medication ID: Med_002
Name: Panadol
Stock: 23
-----
```

```
1 ReplenishmentID,Medication_ID,Medication_name,Requested_Amount,Endorsed_By,Date_of_Request,
2 RR52eddd9f-61fa,Med_002,Panadol,2,Administrator,2024-11-16
3 RR16959f13-4c30,Med_002,Panadol,5,Administrator,2024-11-19
4 RRG706b101-5250,Med_002,Panadol,5,Administrator,2024-11-20
5
```

The administrator reviews and approves pharmacist replenishment requests. This test verifies if the request status is correctly updated to "approved" in the system, ensuring proper stock replenishment and effective collaboration between administrators and pharmacists.

Test Case 25: First-Time Login and Password Change)

<pre>Would you like to login to the system? Choice 1: Login Choice 0: Exit 1 What kind of user are you? 1. PATIENT 2. DOCTOR 3. PHARMACIST 4. ADMINISTRATOR 4 What is your user ID? A001 What is your password? password Enter new password: T0044252b Password has successfully been changed! Administrator Menu: 1. View and Manage Hospital Staff 2. View Appointment Details 3. View and Manage Medication Inventory 4. Approve Replenishment Requests 5. Logout Enter your choice:</pre>	All users will be required to change their password to a specific format.
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Test Case 26: Login with Incorrect Credentials Change)

<pre>Would you like to login to the system? Choice 1: Login Choice 0: Exit 1 What kind of user are you? 1. PATIENT 2. DOCTOR 3. PHARMACIST 4. ADMINISTRATOR 2 What is your user ID? 0001 What is your password? wrongpassword ***** Invalid Input for password ! ***** No such account Writing appointment data... Writing patient data... Writing medical bill data... Writing inventory data... Writing staff data... Writing replenishment data... Writing medicine data... ENDING...</pre>	All users will be required to change their password to a specific format.
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