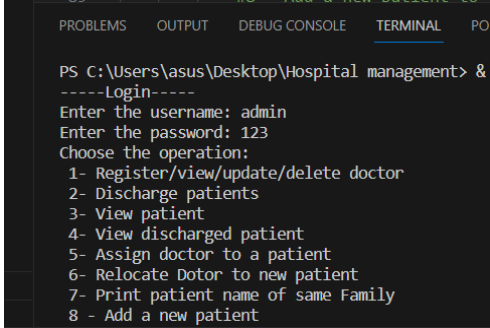
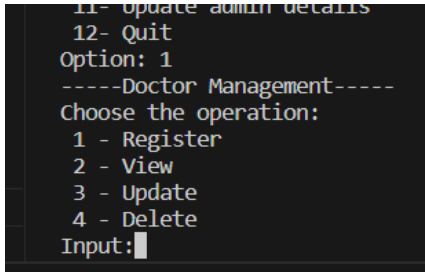
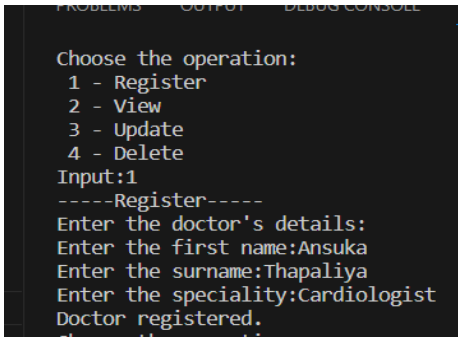
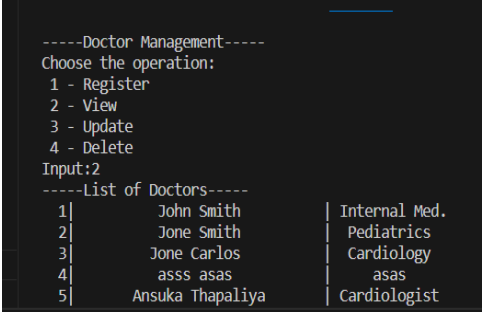
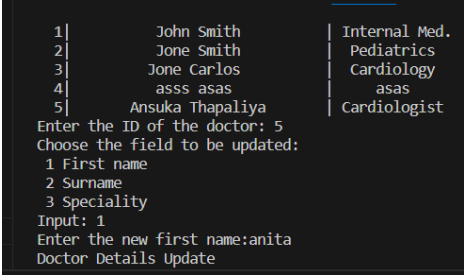


Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Fail
1.	Admin login successful	1.Execute Program 2.Input username: admin 3.Input Password: 123	The Hospital Management system launches without a hitch, requests a username and password, and then successfully authenticates the user before displaying the admin menu.		Passed
2.	Register/View Update/delete Doctor	1.Enter the option:1	Hospital management system successfully logs in and starts up.		Passed
3.	Register	Choose operation:1	The program needs to ask about the doctor's first name, last name, and specialty, and the doctor is successfully registered.		Passed

4.	View	<p>a) Program runs again.</p> <p>b) Selecting option:1 in admin menu.</p> <p>c) Selecting option: 2 in Doctor management</p>	It should display all the list of doctors.	 <pre>-----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input:2 -----List of Doctors----- 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 asss asas asas 5 Ansuka Thapaliya Cardiologist</pre>	Passed
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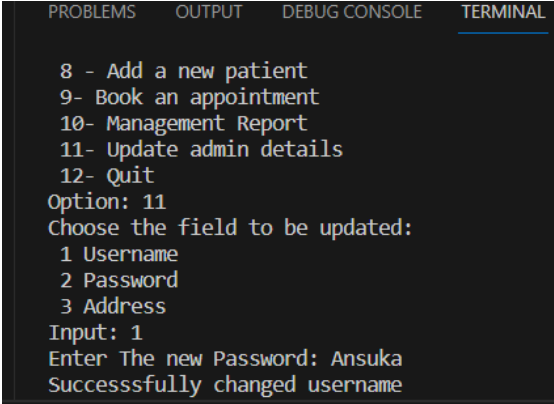
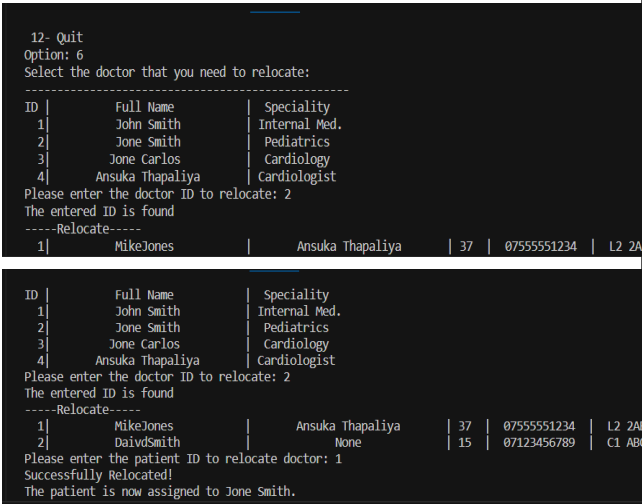
5.	Update	<p>a) Program runs again.</p> <p>b) Selecting option:1 in admin menu.</p> <p>c) Selecting option 3 in Doctor management</p>	The program should ask ID of doctor to update and display doctor details updated.	 <pre>1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 asss asas asas 5 Ansuka Thapaliya Cardiologist Enter the ID of the doctor: 5 Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 1 Enter the new first name:anita Doctor Details Update</pre>	Passed
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6.	Delete	<p>a) Program runs again.</p> <p>b) Selecting option:1 in admin menu.</p> <p>c) Selecting option:4 in Doctor management</p> <p>d) Again selecting option:1 in Admin menu.</p> <p>e) Selecting option 2 in Doctor management.</p>	<p>The program should ask Id of doctor to delete.</p> <p>After selecting option:2 in Doctor management it should not show the deleted doctor.</p>	<div><pre>1 - Register 2 - View 3 - Update 4 - Delete Input:4 -----Delete Doctor----- ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 asss asas asas 5 anita Thapaliya Cardiologist Enter The ID Of The Doctor to be deleted 4</pre></div> <div><pre>Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input:2 -----List of Doctors----- 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 Ansuka Thapaliya Cardiologist</pre></div>	Passed
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7.	Discharge patient	<p>a)Enter the operation:2 in Admin menu.</p> <p>b) Enter the patient Id to discharge.</p>	<p>The program should ask whether to discharge the patient or not.</p> <p>The program should discharge the patient.</p>	<div><pre>7- Print patient name of same Family 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 2 Do you want to discharge a patient(Y/N):y -----Discharge Patient----- 1 SaraSmith None 20 07012345678 B1 234 2 MikeJones None 37 07555551234 L2 2AB 3 DaivdSmith None 15 07123456789 C1 ABC Please Enter The Patient ID: 1</pre></div> <div><pre>Do you want to discharge a patient(Y/N):y -----Discharge Patient----- 1 SaraSmith None 2 MikeJones None 3 DaivdSmith None Please Enter The Patient ID: 1 Patient With ID: '1:'has been discharged. Do you want to discharge a patient(Y/N):</pre></div>	Passed
8.	View discharge patient	<p>a) Program runs again.</p> <p>b) Enter the operation:4 in Admin menu.</p>	The system should display the discharge patient.	<div><pre>7- Print patient name of same Family 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 4 -----Discharged Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 SaraSmith None 20 07012345678 B1 234</pre></div>	Passed
9.	View Patient	<p>a) Program runs again.</p> <p>b) Enter the operation:3 in Admin menu.</p>	The system should display the patient.	<div><pre>5- Assign doctor to a patient 6- Relocate Dotor to new patient 7- Print patient name of same Family 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 3 -----View Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 MikeJones None 37 07555551234 L2 2AB 2 DaivdSmith None 15 07123456789 C1 ABC</pre></div>	Passed

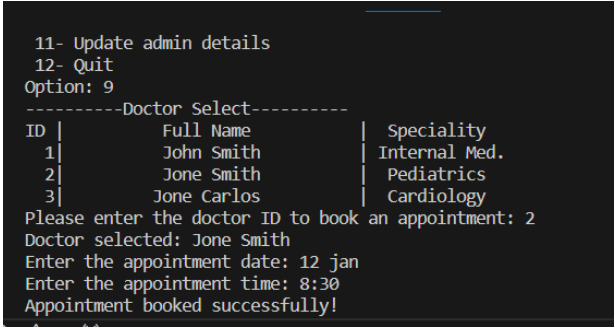
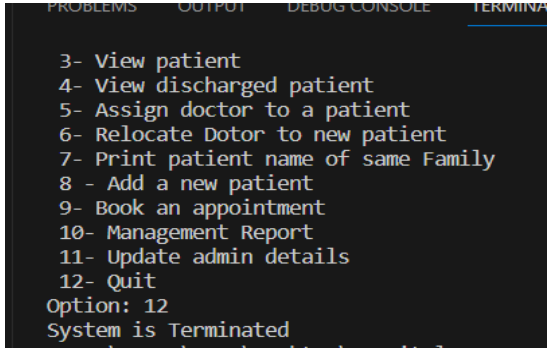
10.	Assign doctor	<p>a) Run program.</p> <p>b) Enter the operation:5 in Admin menu.</p>	<p>The system should show the option to assign a doctor to a patient</p> <p>The system asks for doctor's ID, then shows that the name has been assigned.</p>	<div><div>10- Management Report 11- Update admin details 12- Quit Options: 5 -----Assign----- -----Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 MikeJones None 37 07555551234 L2 2AB 2 DaivdSmith None 15 07123456789 C1 ABC Please enter the patient ID: 1 -----Doctors Select----- Select the doctor that fits these symptoms: []</div><div>2 DaivdSmith None Please enter the patient ID: 1 -----Doctors Select----- Select the doctor that fits these symptoms: [] ----- ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 Ansuka Thapaliya Cardiologist Please enter the doctor ID: 4 The Patient Is Now Assigned To The Doctor.</div></div>	Passed
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11.	Add new patient	<p>a)Run program</p> <p>b)Enter the operation: 8 in Admin menu</p> <p>c)The system asks for patient's name, surname, age, phone number, postcode, and symptoms</p>	<p>The system should show New patient added successfully after the input.</p>	<div>8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 8 Enter patient's first name: Sahana Enter patient's surname: Thapa Enter patient's age: 12 Enter patient's phone number: 981000000000 Enter patient's postcode: Thapathali Enter patient's symptoms: fever, cold, headache New patient added successfully</div>	
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12.	Update admin details	<p>a) Run program.</p> <p>b) Enter the operation: 11 in Admin menu.</p>	The system should show the field to update and display successfully changed.	 <pre> PROBLEMS OUTPUT DEBUG CONSOLE <u>TERMINAL</u> 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 11 Choose the field to be updated: 1 Username 2 Password 3 Address Input: 1 Enter The new Password: Ansuka Successssfully changed username </pre>	Passed
13.	Relocate doctor to patient	<p>a) Run program.</p> <p>b) Enter the operation: 6 in Admin menu.</p> <p>c) The system asks for doctor's ID and a patient to assign to</p>	The system should relocate the new doctor to the patient successfully.	 <pre> 12- Quit Option: 6 Select the doctor that you need to relocate: ----- ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 Ansuka Thapaliya Cardiologist Please enter the doctor ID to relocate: 2 The entered ID is found -----Relocate----- 1 MikeJones Ansuka Thapaliya 37 07555551234 L2 2A ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 Ansuka Thapaliya Cardiologist Please enter the doctor ID to relocate: 2 The entered ID is found -----Relocate----- 1 MikeJones Ansuka Thapaliya 37 07555551234 L2 2A 2 DaivdSmith None 15 07123456789 C1 AB Please enter the patient ID to relocate doctor: 1 Successfully Relocated! The patient is now assigned to Jone Smith. </pre>	Passed

14.	Management Report	<p>a) Run program</p> <p>b) Enter the operation: 10 in Admin menu</p> <p>c) System asks to choose an operation.</p>	The system should display the number of doctor, patients, appointments and numbers of patients based on illness type after choosing an option.	<pre> 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 10 -----Reports----- Choose the operation: 1- Total number of doctors in the system 2- Total number of patients per doctor 3 - Total number of appointments per month per doctor 4 - Total number of patients based on the illness type. Choose an option: </pre> <pre> 11- Update admin details 12- Quit Option: 10 -----Reports----- Choose the operation: 1- Total number of doctors in the system 2- Total number of patients per doctor 3 - Total number of appointments per month per doctor 4 - Total number of patients based on the illness type. Choose an option: 1 Total number of doctors in the system: 3 Choose the operation: </pre>	Passed
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15.	Patient of Same Family	<p>a) Run program.</p> <p>b) Enter the operation: 7 in Admin menu.</p> <p>c) The system asks for family name</p>	The system should display the family surname together.	<pre> 4- View discharged patient 5- Assign doctor to a patient 6- Relocate Doctor to new patient 7- Print patient name of same Family 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 7 Enter the family name: Jones Patients of the same family: 1 MikeJones None 37 07555551234 </pre>	Passed
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16.	Book an appointment	<p>a) Run program.</p> <p>b) Enter the operation:9 in Admin menu.</p> <p>c) System asks for doctor, appointment date and time</p>	System should take all the three inputs and display appointment booked successfully.	 <pre> 11- Update admin details 12- Quit Option: 9 -----Doctor Select----- ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Please enter the doctor ID to book an appointment: 2 Doctor selected: Jone Smith Enter the appointment date: 12 jan Enter the appointment time: 8:30 Appointment booked successfully! </pre>	Passed
17.	Quit	<p>a) Run program.</p> <p>b) Enter the operation:12 in Admin menu.</p>	System should terminate.	 <pre> 3- View patient 4- View discharged patient 5- Assign doctor to a patient 6- Relocate Dotor to new patient 7- Print patient name of same Family 8 - Add a new patient 9- Book an appointment 10- Management Report 11- Update admin details 12- Quit Option: 12 System is Terminated </pre>	Passed