

Test Cases

Test Case 1.1: Admin to Register Doctor

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC1.1	Register the doctor.	<p>1. Admin to run the program.</p> <p>2. Admin to enter the username: admin</p> <p>3. Admin to enter the password: 123</p> <p>4. Main menu to appear with 6 options: 1</p> <pre>Enter the username: admin Enter the password: 123 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients/View Patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Quit Option: 1</pre> <p>5. Menu to appear for the doctor management with 4 options: 1</p> <pre>-----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 1 -----Register-----</pre> <p>6. Admin to enter doctors details including first name, surname and speciality.</p>	New doctor to be registered in the list.	<p>Doctor registered.</p> <pre>-----Register----- Enter the doctor's details: Enter your first name: sar Enter your surname: soti Enter your speciality: psychology Doctor registered.</pre>	Passed

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Test Case 1.2: View Doctor's List

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 1.2	View the doctor's list	<p>1. Admin to run the program. 2. Proceed for login. 3. Main menu to appear with 6 options: 1</p> <pre> Enter the username: admin Enter the password: 123 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients/View Patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Quit Option: 1 </pre> <p>4. Menu to appear with 4 options: 2</p> <pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 2 </pre>	Doctor's list to appear	<p>Doctor list appeared.</p> <pre> Input: 2 -----List of Doctors----- 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 sar soti psychology </pre>	Passed

Test Case 1.3: Update the doctor's list

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 1.3	Update the doctor's details	<p>1. Admin to run the program. 2. Proceed for login 3. Main menu to appear with 6 options: 1</p> <pre> Enter the username: admin Enter the password: 123 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients/View Patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Quit Option: 1 </pre> <p>4. Menu to appear: 3</p>	Doctor's details is expected to be updated.		

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		<pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 3 </pre> <p>5. Admin to enter the doctor's details that needs to be updated.</p> <pre> -----Update Doctor's Details----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Enter the ID of the doctor: 1 Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 1 Enter a new first name: Sarsoti </pre>	<pre> Doctor's details updated. Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 1 Enter a new first name: Sarsoti -----Successfully updated----- 1 Sarsoti Smith Internal M 2 Jone Smith Pediatric 3 Jone Carlos Cardiology </pre>	Passed
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Test Case 1.4: Delete doctor from the list

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 1.3	Delete doctor from the list	<p>1. Admin to run the program. 2. Proceed for login 3. Main menu to appear : 1</p> <pre> Enter the username: admin Enter the password: 123 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients/View Patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Quit Option: 1 </pre> <p>4. Menu to appear: 4</p> <pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input: 4 </pre> <p>5. Admin to enter the doctor's id to delete from the list: 1</p>	Doctor is expected to be deleted.	<pre> Doctor deleted. Enter the ID of the doctor to be deleted: 1 The doctor with ID number 1 is deleted successfully. 1 Jone Smith Pediatrics 2 Jone Carlos Cardiology </pre>	Passed

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Test Case 2: View Patients/ Discharge Patient

Test Case ID	Software Feature	Steps	Expected	Actual	Pass ed/ Fail ed
TC 2.1	View patient's list.	<p>1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear: 2</p> <pre> Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 2 </pre> <p>4. Menu to appear: 1</p> <pre> Choose the operation: 1- view patients 2- Discharge patients Option: 1 </pre>	Patient list is expected to appear.	<p>Patient's list appeared.</p> <pre> Option: 1 -----View Patients----- ID Full Name Doctor's Full Name Symptoms Age Postcode 1 Sara Smith None Weight loss 20 07012345678 2 Mike Jones None Fever 37 07555551234 3 Daivd Smith None Ear pain 15 07123456789 </pre>	PASSED
T.C 2.2	Discharge Patient	<p>5. Menu to appear: 2</p> <pre> Option: 2 Choose the operation: 1- view patients 2- Discharge patients Option: 2 </pre> <p>6. Patient list appears: 2 is chosen.</p>	Patient is expected to be discharged	<p>Patient Discharged.</p> <pre> Do you want to discharge a patient(Y/N): y -----Discharge Patient----- 1 Sara Smith None Weight loss 07012345678 2 Mike Jones None Fever 5551234 3 Daivd Smith None Ear pain 7123456789 Please enter the patient ID: 2 Successfully discharged. </pre>	PASSED

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Test Case 3: View Discharged Patient

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 3	View discharged patients list.	1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 3 <pre> Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 3 </pre>	Discharged patients list is expected to appear.	Discharged patients list appeared. <pre> -----Discharged Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Mike Jones None 37 0755551234 </pre>	PASSED

Test Case 4: Assign doctor to patient

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 4	Assign doctor to patient	1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 4 <pre> Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 4 </pre> 4. Select patient from the list for assigning procedure: 1 <pre> -----Assign----- -----Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith None 20 07012345678 107012345678 2 Mike Jones None 37 0755551234 7555551234 3 David Smith None 15 07123456789 07123456789 Please enter the patient ID: 1 </pre> 5. Select the doctor according to symptoms	Doctor is to be assigned to patient	Doctor assigned. <pre> -----Doctors Select----- Select the doctor that fits these symptoms: Enter the symptoms: fever The patient symptoms: fever. ----- ID Full Name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Please enter the doctor ID: 1 John Smith The patient is now assign to the doctors. </pre>	PASSED

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Test Case 5: Assign doctor to patient

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 5	Update admin details	<ol style="list-style-type: none"> Admin to run the program. Proceed to login. Main menu to appear : 5 <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 5</pre> <ol style="list-style-type: none"> Select field to update: 2 <pre>Choose the field to be updated: 1 Username 2 Password 3 Address Input: 2 Enter the new password: Enter the new password again:</pre>	Admin's details to be updated	<p>Admin detail update is unsuccessful.</p> <pre>Choose the field to be updated: 1 Username 2 Password 3 Address Input: 2 Enter the new password: hello Enter the new password again: hwlo New Password must be same.</pre> <p>Admin detail updated.</p> <pre>1 Username 2 Password 3 Address Input: 2 Enter the new password: hellosunway Enter the new password again: hellosunway Password updated.</pre>	<p>FAILED</p> <p>PASSED</p>

Test Case 6: Assign doctor to patient

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 6	Display patient from same family	<ol style="list-style-type: none"> Admin to run the program. Proceed to login. Main menu to appear : 6 <pre> Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 6 </pre>	Patient from same family to be displayed	<p>Patient from the same family displayed successfully.</p> <pre> Family: Smith Full Name Doctor's Full Name Age Mobile Postcode Sara Smith John Smith [Weight loss] 20 [07012345] David Smith None [Ear pain] 15 [07123456789] Family: Jones Full Name Doctor's Full Name Age Mobile Postcode Mike Jones None [Fever] 37 [0755551234] </pre>	PASSED

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Test Case 7: Patient Records

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 7	Display patient from records	<p>1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 7</p> <pre> Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 7 </pre> <p>4. Menu appears :1</p> <pre> Choose any operation: 1. Store Records 2. Load Records Options: 1 Patients data stored successfully. </pre>	Patient records to be displayed	<p>Patient records is stored in a file.</p> <pre> ≡ patients.txt 1 Sara Smith, ['B', '1', ' ', '2', '3', '4'],Weight loss,20,07012345678,None 2 Mike Jones, ['L', '2', ' ', '2', 'A', 'B'],Fever,37,0755551234,None 3 David Smith, ['C', '1', ' ', 'A', 'B', 'C'],Ear pain,15,07123456789,None 4 </pre>	PASSED
		<p>5. Menu appears: 2</p> <pre> Choose any operation: 1. Store Records 2. Load Records Options: 2 </pre>		<p>Patient records</p> <pre> Choose any operations: 1. Store Records Options: 2 ["Mike Jones, ['L', '2', ' ', '2', 'A', 'B'],Fever,37,0755551234,Jane Smith", "David Smith, ['C', '1', ' ', 'A', 'B', 'C'],Ear pain,15,07123456789,None"] Patient Records has been loaded from file </pre>	PASSED

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Test Case 8: Get Management Report

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 8.1	Display management reports	<p>1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears : 1</p> <pre>Choose an operation: 1-Total number of Doctors 2-Total number of patients per doctors 3-Total appointments per doctor Input: 1</pre>	Total number of doctors to be displayed	<p>Total number of doctors is displayed</p> <pre>Input: 1 Management Report: Total number of doctors in the system: 3</pre>	PASSED
TC 8.2	Display management reports	<p>1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears : 2</p> <pre>Option: 8 Choose an operation: 1-Total number of Doctors 2-Total number of patients per doctor 3-Total appointments per doctor Input: 2</pre>	Total number of patients per doctor to be displayed	<p>Total number of patients per doctor is displayed</p> <pre>Input: 2 Total number of patients per doctor: John Smith: 1 patients Jone Smith: 0 patients Jone Carlos: 0 patients</pre>	PASSED

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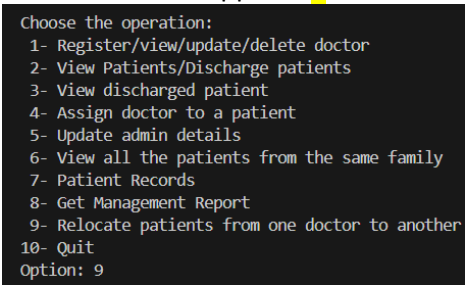
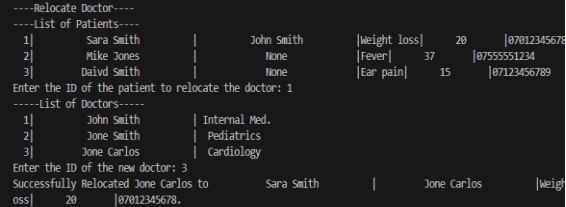
TC 8.3.1	Display management reports	<p>1. Admin to run the program.</p> <p>2. Proceed to login.</p> <p>3. Main menu to appear : 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears : 3</p> <pre>Input: 3 ---Appointments--- Choose the operation: 1 - Book an appointment 2 - Check appointment status 3 - View appointments by month</pre> <p>5. Book an appointment</p>	Appointment is expected to be booked.	<p>Appointments Booked Successfully</p> <pre>Input: 1 ----Book an appointment---- ----List of patients---- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith John Smith Weight loss 20 07012345678 2 Mike Jones None Fever 37 07555551234 Enter the ID of the patient: 2 ----List of doctors---- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Enter the ID of the doctor: 2 Enter the appointment date (YYYY-MM-DD): 2024-06-15 Appointment booked. You can check your appointment status. Choose the operation:</pre>	PASSED
TC 8.3.2	Display management reports	<p>1. Admin to run the program.</p> <p>2. Proceed to login.</p> <p>3. Main menu to appear : 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears : 3</p> <p>To check appointment status 2 is selected</p> <pre>Input: 3 ---Appointments--- Choose the operation: 1 - Book an appointment 2 - Check appointment status 3 - View appointments by month</pre> <p>5. Display appointment status.</p> <p>Enter the Id of patient to check appointment status.</p>	Appointment status is expected to be displayed	<p>Appointments Status Displayed Successfully</p> <pre>Input: 2 ----Check appointment status---- ----List of patients---- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith John Smith Weight loss 20 07012345678 2 Mike Jones None Fever 37 07555551234 Enter the ID of the patient: 2 ----Appointment Status---- S.No. Appointments Date Status 1 Appointment with Jone Smith 2024-06-15 Pending</pre> <p>Appointment Status after admin assigns the doctor to the patient:</p> <pre>Input: 2 ----Check appointment status---- ----List of patients---- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith John Smith Weight loss 20 07012345678 2 Mike Jones Jone Smith Fever 37 07555551234 Enter the ID of the patient: 2 ----Appointment Status---- S.No. Appointments Date Status 1 Appointment with Jone Smith 2024-06-15 Approved</pre>	PASSED

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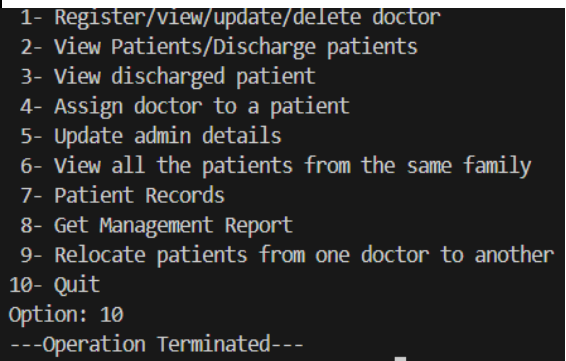
TC 8.3.3	Display management reports	<p>1. Admin to run the program</p> <p>2. Proceed to login.</p> <p>3. Main menu to appear: 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears: 2</p> <p>To view appointment status monthly 3 is selected.</p> <pre>Input: 3 ---Appointments--- Choose the operation: 1 - Book an appointment 2 - Check appointment status 3 - View appointments by month</pre>	Appointment status of doctor per month is expected to display	<p>Appointment status of doctor monthly is displayed.</p> <pre>----View appointments by month---- ----List of doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Enter the ID of the doctor: 2 Enter the month and year (YYYY-MM): 2024-06 Appointments for Jone Smith in June 2024: S.No. Patient Date 1 Mike Jones 2024-06-15</pre>	PASSED
TC 8.4	Display management report	<p>1. Admin to run the program</p> <p>2. Proceed to login.</p> <p>3. Main menu to appear : 8</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- View Patients/Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- View all the patients from the same family 7- Patient Records 8- Get Management Report 9- Relocate patients from one doctor to another 10- Quit Option: 8</pre> <p>4. Menu appears: 4</p> <pre>Choose an operation: 1-Total number of doctors 2-Total number of patients per doctors 3-Total appointments per doctor 4-Total number of patient based on illness Input: 4</pre>	Total number of patient based on illness type is expected to display.	<p>Total number of patient based on illness type displayed.</p> <pre>Input: 4 Total number of patients based on the illness type: B1 234: 1 patients L2 2AB: 1 patients C1 ABC: 1 patients</pre>	PASSED

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Test Case 9: Patient Records

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 9	Relocate patient to a doctor	1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 9  4. Select the doctor and patient to relocate from the list.	Patient is expected to be relocated to a doctor	Patient is successfully relocated to a doctor. 	PASSED

Test Case 10: Quit the Program

Test Case ID	Software Feature	Steps	Expected	Actual	Passed/Failed
TC 10	Quit the program	1. Admin to run the program. 2. Proceed to login. 3. Main menu to appear : 10	Quit the operation	Operation Terminated. 	PASSED