








Test Case Table for Hospital Management

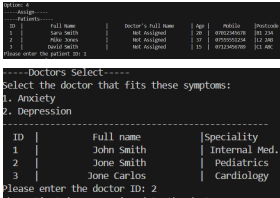
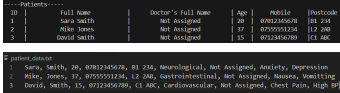
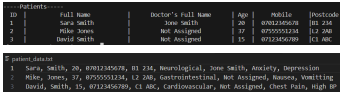
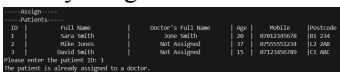

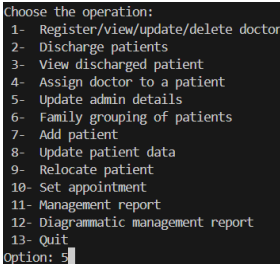
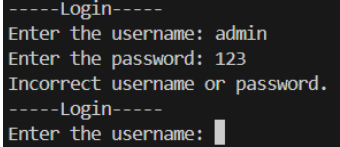
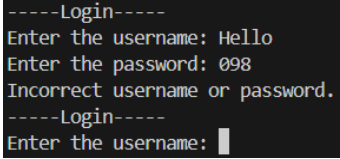

Test Case No.	Software Feature	Inputs	Expected Outcome	Actual Outcome	Status
1.	Login	<p>a) Enter admin in username and 123 in password</p> <pre>-----Login----- Enter the username: admin Enter the password: 123</pre> <p>b) Enter incorrect username or password.</p>	<p>Displays successfully logged in message and gives several options to choose from.</p> <p>Displays incorrect username or password and again asks the credentials.</p>	<p>Successfully logged in message was displayed and several options were given to choose from.</p> <pre>Enter the username: admin Enter the password: 123 You've successfully logged in.</pre> <p>Incorrect username or password message was displayed and the credentials were asked again.</p> <pre>-----Login----- Enter the username: hello Enter the password: 123 Incorrect username or password. -----Login----- Enter the username: admin Enter the password: 321 Incorrect username or password. -----Login----- Enter the username: hello Enter the password: 321 Incorrect username or password. -----Login----- Enter the username: </pre>	<div>✓</div> <p>Passed</p>
2.	Continue with previous patient data (<i>loads data from txt file</i>) or Reset the patient data and continue (<i>mandatory choice if program is being run for the first time since it creates a txt file by loading the data to the txt file and resets all the patient data</i>)	<p>a) Choose '2' compulsorily if the program is being run for the 1st time as patient data needs to be loaded into txt file at first, since most of the main menu option's function fetches data from the txt file of patient data or, if the program is not being run for the first time and if the user wants to clear the doctors assigned to patients when the program was run previously.</p> <pre>1. Continue with the previous patient data (NOTE: 2. Reset the patient data Choose an option (1/2): 2</pre> <p>Note from option '1'.</p> <p>(NOTE: choose only if the program is already run previously)</p>	<p>a) Creates a text file where patient data is loaded, setting the doctors of all patients to "Not Assigned" and leads to the main menu.</p>	<p>a) A text file was created where patient data is loaded, setting the doctors of all patients to "Not Assigned" and leading to the main menu.</p> <pre>patient_data.txt 1 Sara, Smith, 20, 07012345678, B1 234, 2 Mike, Jones, 37, 07555551234, L2 2AB, 3 David, Smith, 15, 07123456789, C1 ABC</pre> <pre>Choose an option (1/2): 2 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: </pre>	<div>✓</div> <p>Passed</p>

		<p>b) Choose '1' if the program is previously run already and if the user wants to keep the doctors assigned to the patients when the program was run previously.</p> <pre>You've successfully logged in. 1. Continue with the previous patient data (NOTE: 2. Reset the patient data Choose an option (1/2): 1</pre>	<p>b) If the program is being run for the first time then it displays a message to read the NOTE in option 1 and again leads to choosing between '1' and '2'.</p> <p>If the program is run previously then continues without resetting the patient data and opens up the main menu.</p>	<p>b) When the program was being run for the first time a message suggesting to read the NOTE in option 1 was displayed, and was led to choosing between '1' and '2' again.</p> <pre>1. Continue with the previous patient data (NOTE: 2. Reset the patient data Choose an option (1/2): 1 Read NOTE before choosing the option!!! 1. Continue with the previous patient data (NOTE: 2. Reset the patient data Choose an option (1/2):</pre> <p>When the program had already been run previously, the program continued without resetting the patient data and opened up the main menu.</p> <pre>Choose an option (1/2): 1 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option:</pre>	
3.	Register/view/update/delete doctor (Doctor management).	<p>Enter 1 in the option to head inside the feature.</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 1</pre>	<p>Opens another menu of choices to manage the data of doctors in the system.</p>	<p>A menu of choices to manage the data of doctors was opened.</p> <pre>Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back Input:</pre>	<div>✓</div> <p>Passed</p>

4.	Register (in Doctor Management)	<p>Enter 1 in input of Doctor Management operations.</p> <p>a) Input the first name as John, surname as Smith and speciality of the doctor as Internal Med.</p> <pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back Input: 1 -----Register----- Enter the doctor's details: Enter the first name: John Enter the surname: Smith Enter the speciality: Internal Med. </pre> <p>b) Input the first name as Shawn, surname as Murphy and speciality as Surgeon.</p> <pre> Input: 1 -----Register----- Enter the doctor's details: Enter the first name: Shawn Enter the surname: Murphy Enter the speciality: Surgeon Doctor successfully registered </pre>	<p>Case 'a' of inputs should give a message saying "name already exists" as the doctor with given data already exists in the system.</p> <p>Case 'b' of inputs should give a message saying successfully registered as the doctor with given data doesn't exist in the system.</p> <p>John Smith with speciality Internal Med. shouldn't be present in the doctor's list two times whereas Shawn Murphy with speciality surgeon should be present in the doctor's list one time.</p>	<p>Case 'a' of inputs gave a message saying "name already exists" as the doctor with given data already exists in the system.</p> <pre> Input: 1 -----Register----- Enter the doctor's details: Enter the first name: John Enter the surname: Smith Enter the speciality: Internal Med. Name already exists. </pre> <p>Case 'b' of inputs gave a message saying successfully registered as the doctor with given data doesn't exist in the system.</p> <pre> Input: 1 -----Register----- Enter the doctor's details: Enter the first name: Shawn Enter the surname: Murphy Enter the speciality: Surgeon Doctor successfully registered </pre> <p>John Smith with speciality Internal Med. wasn't present in the doctor's list two times whereas Shawn Murphy with speciality surgeon was present in the doctor's list one time which wasn't there at first.</p> <pre> -----List of Doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology </pre> <pre> -----List of Doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology 4 Shawn Murphy Surgeon </pre>	 Passed
5.	View (in Doctor Management)	<p>Enter 2 in input of Doctor Management operations.</p> <pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back Input: 2 </pre>	<p>List of doctors should appear along with their ID and speciality.</p>	<p>List of doctors was displayed along with their ID and speciality.</p> <pre> -----List of Doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology </pre>	 Passed

6.	Update (in Doctor Management)	<p>Enter 3 in input of Doctor Management operation and then, enter the ID of the doctor whose data you want to update from the given list, input 1 and further input first name as John, similarly, input 2 and further input surname as Cena likewise, input 3 and further input speciality as Chiropractor and lastly input 4 to head back.</p> <pre> Input: 3 -----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 4 Exit Input: 1 Enter the new first name: John Choose the field to be updated: 1 First name 2 Surname 3 Speciality 4 Exit Input: 2 Enter the new second name: Cena Choose the field to be updated: 1 First name 2 Surname 3 Speciality 4 Exit Input: 3 Enter the new speciality: Chiropractor Choose the field to be updated: 1 First name 2 Surname 3 Speciality 4 Exit Input: 4 </pre>	<p>Name John Smith should be updated to John Cena and speciality Internal Med. should be updated to Chiropractor.</p> <p>While choosing the field to be updated if entered 4, users should be traced back to the Doctor Management section.</p>	<p>Name John Smith was updated to John Cena and speciality Internal Med. was updated to Chiropractor.</p> <pre> -----List of Doctors----- ID Full name Speciality 1 John Cena Chiropractor 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology </pre> <p>While choosing the field to be updated when entered 4, user was traced back to the Doctor Management section.</p> <pre> Choose the field to be updated: 1 First name 2 Surname 3 Speciality 4 Exit Input: 4 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back </pre>	 Passed
7.	Delete (in Doctor Management)	<p>Enter 4 in input of Doctor Management operations and enter the ID of the doctor to be deleted.</p> <pre> -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back Input: 4 -----Delete Doctor----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Enter the ID of the doctor to be deleted: 1 </pre>	<p>Doctor deleted message should be displayed, Dr. John Smith with speciality Internal Med. should be deleted from the list of doctors and the ID of remaining doctors should be updated.</p>	<p>Doctor deleted message was displayed, Dr. John Smith with speciality Internal Med. was deleted from the list of doctors and the ID of remaining doctors were updated.</p> <pre> Input: 4 -----Delete Doctor----- ID Full name Speciality 1 John Smith Internal Med. 2 Jone Smith Pediatrics 3 Jone Carlos Cardiology Enter the ID of the doctor to be deleted: 1 Doctor deleted -----List of Doctors----- ID Full name Speciality 1 Jone Smith Pediatrics 2 Jone Carlos Cardiology </pre>	 Passed
8.	Go back (in Doctor Management)	<p>Enter 5 in input of Doctor Management operations.</p> <pre> Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete 5 - Go back Input: 5 </pre>	<p>Users should be directed back to the main menu of the system.</p>	<p>User was directed back to the main menu of the system.</p> <pre> Input: 5 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Relocate patient 8- Set appointment 9- Management report 10- Quit Option: █ </pre>	 Passed


9.	Discharge patients	<p>Enter 2 in the option of the main menu and,</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 2</pre> <p>a) Choose ‘Y’ or ‘y’ and enter the ID of the patient to discharge, then confirm the process entering ‘Y’ or ‘y’ again.</p> <pre>Discharge Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234 2 Mike Jones Not Assigned 37 0755551234 12 345 3 David Smith Not Assigned 15 07123456789 13 456 Do you want to discharge a patient(Y/N): y Please enter the patient ID: 1 Do you want to discharge Sara Smith (Y/N): y Patient successfully discharged</pre> <p>b) Choose ‘N’ or ‘n’ then rerun the program and choose ‘Y’ or ‘y’ the 1st time then enter the ID of the doctor to delete then while confirming the process enter ‘N’ or ‘n’.</p> <pre>Do you want to discharge a patient(Y/N): n Do you want to discharge a patient(Y/N): y Please enter the patient ID: 1 Do you want to discharge Sara Smith (Y/N): n Discharging process cancelled</pre>	<p>Case ‘a’ of the input should display a successful discharge message and the patient should no longer be in the patients list with update of ID of remaining patients, but should be in the discharged patients list.</p> <pre>Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234 2 Mike Jones Not Assigned 37 0755551234 12 345 3 David Smith Not Assigned 15 07123456789 13 456 Discharged Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234</pre> <p>Case ‘b’ of the input should display discharge process cancelled message in both sub-cases and no change was seen in patients list and discharged patient list shouldn’t consist of any patient.</p> <pre>Option: 2 -----Discharge Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234 2 Mike Jones Not Assigned 37 0755551234 12 345 3 David Smith Not Assigned 15 07123456789 13 456 Do you want to discharge a patient(Y/N): n Discharging process cancelled</pre> <pre>Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234 2 Mike Jones Not Assigned 37 0755551234 12 345 3 David Smith Not Assigned 15 07123456789 13 456</pre> <p>-----Discharged Patients----- No patient discharged yet</p>	<div></div> <div>Passed</div>
10.	View discharged patients	<p>Enter 3 in the option of the main menu</p> <pre>Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 3</pre>	<p>“No patient discharged yet” message is displayed if no patients are discharged and contains the list of the discharged patients if the patients are discharged.</p> <pre>Option: 3 -----Discharged Patients----- No patient discharged yet</pre> <pre>Discharged Patients----- ID Full Name Doctor's Full Name Age Mobile Postcode 1 Sara Smith Not Assigned 28 0981345678 11 234 2 David Smith Not Assigned 15 07123456789 13 456</pre>	<div></div> <div>Passed</div>

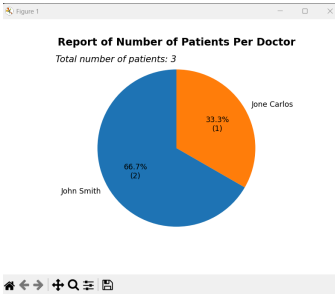
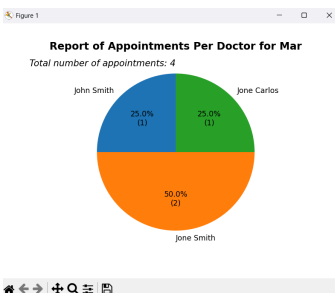
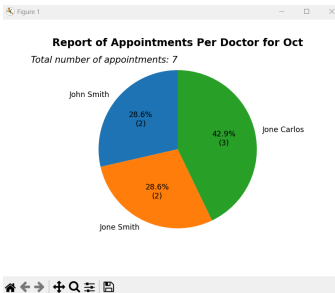
11.	Assign doctor to a patient (<i>data was loaded from file to find the patient who is to be assigned a doctor and data was loaded to file to set the doctor name in the txt file of patient data</i>)	<p>Enter 4 in the option of the main menu, enter the ID of the patient to whom the doctor is to be assigned as 1 and then enter the ID of the doctor who is to be assigned to that patient as 2.</p>  <p>Try to assign a doctor to the same patient again.</p>	<p>Once the patient ID is entered, symptoms of the patient should be displayed before letting to choose the doctor, successfully assigned message should be displayed and in the row of patient with ID 1 i.e.Sara Smith “Doctor’s Full Name” section of the patient’s list should contain the name of the assigned doctor which in this case is Jone Smith instead of Not Assigned and change is seen in text file as well.</p> <p>Trying to assign a doctor to the same patient again displays a message saying “the patient is already assigned to a doctor”.</p>	<p>Once the patient ID was entered, symptoms of the patient were displayed before letting to choose the doctor, successfully assigned message was displayed and in the row of patient with ID 1 i.e.Sara Smith “Doctor’s Full Name” section of the patient’s list contained the name of the assigned doctor which in this case was Jone Smith instead of Not Assigned and the change was seen in text file as well.</p> <p>Before:</p>  <p>After:</p>  <p>Trying to assign a doctor to the same patient again displayed a message saying “the patient is already assigned to a doctor.”</p> 	 Passed
12.	Update admin details	<p>Enter 5 in the option of the main menu, then in the further submenu enter 1 and change the username to “hospital”, likewise enter 2 in the submenu and change the password to 098, enter the same password both times while changing the password, address of the admin is not mandatory but still in case of requirement program can make address accessible and changeable, enter 4 to go back.</p> 	<p>Username should be changed to “hospital” and now while rerunning the program old username or any other username shouldn’t work, the same should be the case for password, entering different passwords in the two times should display message advising to enter same password both the times, and entering 4 in the menu of update admin details feature should trace the users back to the main menu.</p>	<p>Username was changed to “hospital” and now while rerunning the program old username or any other username didn’t work, the same was the case for password, entering different passwords in the two times displayed message advising to enter same password both the times, and entering 4 in the menu of update admin details feature traced the users back to the main menu.</p>  	 Passed

		<pre> Option: 5 Choose the field to be updated: 1 Username 2 Password 3 Address 4 Go back Input: 1 Enter a new username: hospital Choose the field to be updated: 1 Username 2 Password 3 Address 4 Go back Input: 2 Enter a new password: 098 Enter the new password again: 098 Choose the field to be updated: 1 Username 2 Password 3 Address 4 Go back Input: 4 </pre>		<pre> ----Login---- Enter the username: hospital Enter the password: 098 You've successfully logged in. 1. Continue with the previous patient data 2. Reset the patient data Choose an option (1/2): █ Choose the field to be updated: 1 Username 2 Password 3 Address 4 Go back Input: 4 Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: █ </pre>	
13.	<p>Family grouping of patients (<i>Note: 19 patients were taken to clarify the work of the feature, modifying the given patients' data</i>)</p> <p><i>Code snippet from txt file:</i></p> <pre> // Code snippet from txt file // This code snippet is a C++ program that demonstrates the family grouping of patients. It uses a vector of Patient objects and a map to group patients by family name. The program prompts the user to enter a family name and then displays the list of patients belonging to that family. // The Patient struct is defined with attributes: name, surname, age, and address. The family grouping is implemented using a map where the key is the family name and the value is a vector of Patient objects. // The program starts by creating a vector of Patient objects and a map to store the family grouping. It then prompts the user to enter a family name and iterates through the Patient vector to find all patients belonging to that family. Finally, it displays the list of patients for the selected family. </pre>	<pre> Enter 6 in the option of the main menu. Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 6 █ </pre>	<p>List of all the patients should be displayed in which patients of the same family (i.e. having the same surname) should be together in the list.</p>	<p>List of all the patients were displayed in which patients of the same family (i.e. having the same surname) were together in the list.</p> <pre> Option: 6 ----Family Grouping of Patients---- 1. Ethan Jones 2. Mike Jones 3. Noah Jones 4. Olivia Jones 5. James Brown 6. Charlotte Brown 7. Ava Brown 8. Harper Brown 9. Elijah Brown 10. Mia Smith 11. Emma Smith 12. David Smith 13. Liam Smith 14. Sara Smith 15. Lucas Williams 16. Sophia Williams 17. Amelia Williams 18. Henry Williams 19. Benjamin Williams </pre>	<div>✓</div> <p>Passed</p>

 Passed

 Passed

17.	Set appointment	<p>Enter 10 in the option of the main menu</p> <pre> Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 10 </pre> <p>a) Enter the name of the patient, select the doctor to set appointment with, enter a month (NOTE: First three letters only and first letter should be capital), enter a day (NOTE: must be two digits i.e. 09, 01, 24 and so on) and choose a time from the given option.</p> <pre> --Set Appointment----- Enter the name of the patient: Tyler Breeze -----List of doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jane Smith Pediatrics 3 Jane Carlos Cardiology Enter the ID of the doctor with whom the appointment is to be set: 2 Enter a month of appointment: Aug Enter a day of appointment: 08 1. 9:00 AM 2. 9:30 AM 3. 10:00 AM 4. 10:30 AM 5. 11:00 AM 6. 11:30 AM 7. 12:00 PM 8. 12:30 PM 9. 13:00 PM 10. 13:30 PM 11. 14:00 PM 12. 14:30 PM 13. 15:00 PM 14. 15:30 PM 15. 16:00 PM 16. 16:30 PM Choose a time for appointment: 6 </pre> <p>b) Set another appointment with the same doctor at same date as in case ‘a’</p> <pre> --Set Appointment----- Enter the name of the patient: Dean Ambrose -----List of doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jane Smith Pediatrics 3 Jane Carlos Cardiology Enter the ID of the doctor with whom the appointment is to be set: 2 Enter a month of appointment: Aug Enter a day of appointment: 08 1. 9:00 AM 2. 9:30 AM 3. 10:00 AM 4. 10:30 AM 5. 11:00 AM 6. 11:30 AM 7. 12:00 PM 8. 12:30 PM 9. 13:00 PM 10. 13:30 PM 11. 14:00 PM 12. 14:30 PM 13. 15:00 PM 14. 15:30 PM 15. 16:00 PM 16. 16:30 PM Choose a time for appointment: 6 The time has already been booked by someone else. </pre>	<p>Case ‘a’ displays the appointment of the patient successfully set with the doctor message with full name of both the doctor and the patient along with the appointment date.</p> <p>Case ‘b’ displays the message “the time has already been booked” and asks whether to continue setting the appointment or not.</p>	<p>Case ‘a’ displayed the appointment of the patient successfully set with the doctor message with full name of both the doctor and the patient along with the appointment date.</p> <pre> --Set Appointment----- Enter the name of the patient: Tyler Breeze -----List of doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jane Smith Pediatrics 3 Jane Carlos Cardiology Enter the ID of the doctor with whom the appointment is to be set: 2 Enter a month of appointment: Aug Enter a day of appointment: 08 1. 9:00 AM 2. 9:30 AM 3. 10:00 AM 4. 10:30 AM 5. 11:00 AM 6. 11:30 AM 7. 12:00 PM 8. 12:30 PM 9. 13:00 PM 10. 13:30 PM 11. 14:00 PM 12. 14:30 PM 13. 15:00 PM 14. 15:30 PM 15. 16:00 PM 16. 16:30 PM Choose a time for appointment: 6 Appointment of Tyler Breeze with Dr. Jane Smith is successfully set on Aug 08 at 11:30 AM. </pre> <p>Case ‘b’ displayed the message “the time has already been booked” and asked whether to continue setting the appointment or not.</p> <pre> --Set Appointment----- Enter the name of the patient: Dean Ambrose -----List of doctors----- ID Full name Speciality 1 John Smith Internal Med. 2 Jane Smith Pediatrics 3 Jane Carlos Cardiology Enter the ID of the doctor with whom the appointment is to be set: 2 Enter a month of appointment: Aug Enter a day of appointment: 08 1. 9:00 AM 2. 9:30 AM 3. 10:00 AM 4. 10:30 AM 5. 11:00 AM 6. 11:30 AM 7. 12:00 PM 8. 12:30 PM 9. 13:00 PM 10. 13:30 PM 11. 14:00 PM 12. 14:30 PM 13. 15:00 PM 14. 15:30 PM 15. 16:00 PM 16. 16:30 PM Choose a time for appointment: 6 The time has already been booked. Do you want to continue booking the appointment? (Y/N): </pre>	<div>  </div> <p>Passed</p>
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		<p>Choosing option '3' in management report</p> <pre> Option: 11 ----Management Report----- 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 i.e.(1/2/3/4): 3 </pre> <p>d) Choose option '4' in management report</p> <pre> Option: 11 ----Management Report----- 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 i.e.(1/2/3/4): 4 </pre>			
19.	Diagrammatic management report	<p>Enter 12 in the option of the main menu then,</p> <pre> Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit option: 12 </pre> <p>a) Assign doctors to the patient as directed in Test Case '11' for example: 'Sara' and 'Mike' to Dr. 'John Smith' and 'David' to Dr. 'Jone Carlos' then got to the diagrammatic management report and this time choose option '1'.</p> <pre> Choose the operation: 1- Register/view/update/delete doctor 2- Discharge patients 3- View discharged patient 4- Assign doctor to a patient 5- Update admin details 6- Family grouping of patients 7- Add patient 8- Update patient data 9- Relocate patient 10- Set appointment 11- Management report 12- Diagrammatic management report 13- Quit Option: 11 ----Management Report----- 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 i.e.(1/2/3/4): 2 </pre> <p>b) Set by choosing option 10 in the main menu as directed in Test Case '16' for example: Set 3 appointments for Dr. John Smith 2 in 'Mar' and '1' in 'Oct', for Dr. Jone Smith '2' in Mar' and '2' in 'Oct' and for 'Dr. Jone Carlos' '1' in 'Mar' and '3' in 'Oct' then go to the diagrammatic management report and choose option '2'. Appointments set:</p> <pre> Appointment of (Dr. Smith) with Dr. Jone Carlos (1) successfully set on Mar at 15:10 m Appointment of (Dr. Smith) with Dr. John Smith (2) successfully set on Oct at 15:10 m </pre>	<p>Case 'a' displays a pie chart of the total number of patients assigned per doctor.</p> <p>Case 'b' displays a pie chart showing the number of appointments per month per doctor (i.e. pie chart of Case 'c' of Test Case 17.</p> <p>Case 'c' displays a pie chart showing the number of patients based on illness type.</p> <p>Case 'd' traces the user back to the main menu.</p>	<p>Case 'a' displayed a pie chart of the total number of patients assigned per doctor.</p>  <p>Case 'b' displayed a pie chart showing the pie chart of number of appointments per month per doctor (i.e. pie chart of Case 'c' of Test Case '17'.</p> <p>For the month of 'Mar' i.e. 'March'</p>  <p>For the month of 'Oct' i.e. 'October'</p> 	<div>✓</div> <div>Passed</div>

