Test Case ID	Software Feature	Steps	Expected	Actual Result	Passed/Failed
1	Successful admin log in	1. Run Program 2. Enter username: subrace 3. Enter Password: 123	Hospital Management system Starts successfully, and it asks for a username. Username taken and the program will ask for a password. Login successfully and the admin menu will be displayed	``` -----Login----- Enter the username: subrace Enter the password: 123 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 detais 6- Get Management Report 7- Quit Option: [] ```	Passed
2	Registration of Doctor in Doctor Management System	1. Run Program 2. Successful Login 3. Selection of option 1 in admin menu 4. Selection of operation 1 in Doctor Management	The hospital management system will initiate upon a successful login and system startup. The computer will prompt the administrator to select an operation. Choosing operation 1 will bring up the Doctor management system.	``` Option: 1 -----Doctor Management----- Choose the operation: 1 - Register 2 - View 3 - Update 4 - Delete Input:1 ``` ``` Input:1 -----Register----- Enter the doctor's details: Enter the first name:Dikshyant Enter the surname:Madai Enter the speciality:Internal medicine Doctor registered. ```	Passed

			Selection of operation 1 in the doctor managemen t system will display the doctor registration. We will request information about your doctor. Specifically, you will be required to provide the doctor's first name, last name, and specializatio n. Once the doctor's information is entered, a notification confirming successful registration will be displayed.		
3	Viewing the list of doctors in Doctor Managem ent System	1. Run Program 2. Successf ul Login 3. Selection of option 1 in admin menu 4. Selection	Successful login and system startup for hospital managemen t. Admin will be prompted by the computer to choose an operation	Input:2 -----List of Doctors----- 1| John Smith | Internal Med. 2| Subresh Thakulla | Pediatrics 3| Jone Carlos | Cardiology 4| Dikshyant Madai |Internal medicine	

		of operation 2 in Doctor Management	When the administrator chooses operation 1, the Doctor management system will appear. The list of registered doctors is presented when the admin chooses operation 2 in the Doctor Management section.		Passed
4	Update on details of doctors in Doctor Management System	1.Run Program 2. Successful Login 3. Selection of option 1 in admin menu 4. Selection of operation 3 in Doctor Management	Hospital management system will initiate successfully upon login and system startup. The computer will prompt the administrator to choose an operation. Upon selecting operation 1, the Doctor management system will be displayed.	Input:3 -----Update Doctor`s Details----- ID | Full name | Speciality 1| John Smith | Internal M 2| Subresh Thakulla | Pediatrics 3| Jone Carlos | Cardiolog 4| Dikahyant Madai |Internal me Enter the ID of the doctor: 4 Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 1 Enter the new first name:Akash Choose the field to be updated: 1 First name 2 Surname 3 Speciality Input: 2 Enter the new surname:Pokhrel	Passed

| | | | In the Doctor Management section, choosing operation 2 will present the list of registered doctors. | -----Update Doctor`s Details-----
ID \| Full name   \| Speciality
  1\| John Smith   \| Internal Med.
  2\| Subresh Thakulla   \| Pediatrics
  3\| Jone Carlos   \| Cardiology
  4\| Dikshyant Akash   \|Internal medicine | |
| 5 | Deleting the detail of doctor in Doctor Management System | 1.Run Program 2. Successful Login 3. Selection of option 1 in admin menu 4. Selection of operation 4 in Doctor Management | login and system startup for the hospital. The application will request that the administrator choose an operation. If the administrator chooses option 1, the doctor management system will be shown. Under Doctor Management, the

Passed

administrator chooses option 4. | -----Delete Doctor-----
ID \| Full Name   \| Speciality
  1\| John Smith   \| Internal Med.
  2\| Subresh Thakulla   \| Pediatrics
  3\| Jone Carlos   \| Cardiology
Enter the ID of the doctor to be deleted: 3

-----List of Doctors-----
  1\| John Smith   \| Internal Med.
  2\| Subresh Thakulla   \| Pediatrics
Choose the operation: | Passed |

			The doctor ID will be required. When choosing an ID doctor, the doctor's information is removed from the list.		
6	Discharge of Patient	1.Run Program 2. Successful Login 3. Selection of option 2 in admin menu	To access the hospital system, a successful login and system startup is required. Upon starting the application, the administrator will be prompted to select an operation. Opting for option 2 will lead to the display of a list of patients. The program will prompt the administrator to indicate if a patient should be discharged or not. If the decision is	Do you want to discharge a patient(Y/N):y -----List of Patients----- 1| Sara Smith | | 07012345678 | B1 234 2| Mike Jones | | 07555551234 | L2 2AB 3| Daivd Smith | | 07123456789 | C1 ABC Please enter the patient ID: 3 Sucessfully discharged.	Passed

			to discharge, the computer will request the patient's ID. Once the patient's ID is provided, the discharge process will be completed successfully.		
7	Viewing the list of discharged patients Management System	1.Run Program 2. Successful Login 3. Selection of option 3 in admin menu	Successful login and system startup for the hospital. The application will request that the administrator choose an operation. If the administrator chooses option 2, a list of patients will be shown. If the patient should be discharged or not, the program will ask the		Passed

-----Discharged Patients-----
ID | Full Name | Doctor`s Full Name | Age
| Mobile | Postcode
  1| Daivd Smith | None | 15
| 07123456789 | C1 ABC

			administrator. After choosing to discharge, the computer will inquire for the patient's ID. Patients who choose Patient ID will be Successfully discharged.		
8	Assign Doctor to Patient	1.Run Program 2. Successful Login 3. Selection of option 4 in admin menu	Upon successfully logging in and starting the hospital system, the software will require the administrator to make a choice. Choosing option 4 will result in the display of a patient list. The administrator will be prompted to provide the patient's ID. Next, the system will inquire about the patient's symptoms.	-----Assign----- -----Patients----- ID | Full Name | Doctor | Mobile | Postcode 1| Sara Smith | | 07012345678 | B1 234 2| Mike Jones | | 07555551234 | L2 2AB Please enter the patient ID: 1 -----Doctors Select----- Select the doctor that fits these symptoms: --- ID | Full Name | Speciality 1| John Smith | Internal Me 2| Subresh Thakulla | Pediatrics Please enter the doctor ID: 2 The patient is now assign to the doctor.	Passed

			A list of doctors will be presented, and the administrator will be asked to assign a doctor based on the patient's symptoms. Finally, a list of patients and the doctors they were assigned to will be displayed		
| 9 | Update Admin Details | 1.Run Program 2. Successful Login 3. Selection of option 6 in admin menu | A successful login and system startup is required to access the hospital system. Upon starting the application, the administrator will be prompted to select an operation. Selecting operation 6 will display the admin details. The system will request updates to the admin's username, | ```
Choose the field to be updated:
 1 Username
 2 Password
 3 Address
Input: 1
Enter the new username: Anmol
Sucessfully changed username


   Choose the field to be updated:
    1 Username
    2 Password
    3 Address
   Input: 2
   Enter the new password: 321
   Enter the new password again: 321
   Sucessfully changed password

Choose the field to be updated:
 1 Username
 2 Password
 3 Address
Input: 3
Enter the new address: b1 street
Sucessfully changed address
``` | Passed |

			password, and address. To update the admin information, a new login, password, and address must be entered.		
| 10 | Get management report | 1.Run Program 2. Successful Login 3. Selection of option 6 in admin menu | Hospital Management system starts successfully, Successful Login. The program will ask admin to select an operation. Admin selects operation 6 then management report will be Displayed. If admin choose option 1 then the program will display the total number of doctors in the system. Similarly, other management reports like number of patient per | ```
Option: 6
-----Management 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: []
``` <br><br> ```
-----Management 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
-------------Hospital Management System--------------
The total number of doctors: 3
        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: 2
        -------------Hospital Management System--------------
        John  Smith has 0 patients
        Subresh  Thakulla has 0 patients
        Jone  Carlos has 0 patients
``` | Passed |

			doctor, appointments per month per doctor, patients based on the illness type.	Option: 6 -----Management 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: 3 ------------Hospital Management System------------- John Smith has 0 this month ------------Hospital Management System------------- Subresh Thakulla has 0 this month ------------Hospital Management System------------- Jone Carlos has 0 this month 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: 4 ------------Hospital Management System------------- The total is 3 for [] ------------Hospital Management System------------- The total is 3 for [] ------------Hospital Management System------------- The total is 3 for []	
11	Exiting System	1.Run Program 2. Successful Login 3. Selection of option 7 in admin menu	Successful login and system startup for the hospital. The application will request that the administrator choose an operation. The admin chooses and executes all actions. If the	-----Login----- Enter the username: subrace Enter the password: 123 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 detais 6- Get Management Report 7- Quit Option: 7 PS C:\Users\tsubr\OneDrive\Desktop\Hospital Python>	Passed

			Administrator chooses option 7, the system will shut down.		