Healthcare Application

Test Plan

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A healthcare application system which allows the management of appointments, doctors and patients.

Test Case ID.	Test Description	Input Values	Expected Output	Actual Output	Pass/ Fail
TC01	Valid user choice to add doctor/ add doctor availability / exit	Hospital Administrator = 1	"Press 1 to add a doctor, press 2 to add a doctor availability, and press 3 to exit"	"Press 1 to add a doctor, press 2 to add a doctor availability, and press 3 to exit"	Pass
		Patient = 2	"Press 1 to view doctors, press 2 to book an appointment, press 3 to view a selected doctor's bookings, press 4 to exit and press 5 to add a patient"	"Press 1 to view doctors, press 2 to book an appointment, press 3 to view a selected doctor's bookings, press 4 to exit and press 5 to add a patient"	Pass
		Exit = 3	Exit	Exit	Pass
TC02	Invalid user choice to add doctor/ add doctor availability / exit	Hospital Administrator = 11	Invalid Input	Pass	Pass
		Patient = 22	Invalid Input	Pass	Pass
		Exit = 33	Invalid Input	Pass	Pass

TC03	Valid user choice to add doctor	Add doctor = 1 Name = "Ellan" Birthday = "2002-08-19" Specialisation = "Dermatologist" Contact Number = "077458936"	"Doctor added successfully!"	"Doctor added successfully!"	Pass
TC04	Valid user choice to add doctor availability	Add doctor availability = 2 ID = 101 Day = 14 Month = 09 Year = 2024	"Availability of the doctor has been added successfully!"	"Availability of the doctor has been added successfully!"	Pass
		ID = 102 Day = 25 Month = 10 Year = 2024	"Availability of the doctor has been added successfully!"	"Availability of the doctor has been added successfully!"	Pass
TC05	Invalid user choice to add doctor availability	Add doctor availability = 2 ID = 105 Day = 14 Month = 09 Year = 2024	"Invalid doctor or patient id"	"Invalid doctor or patient id"	Pass
TC06	Valid user objectives in patient class				
	Valid add patient	User objective= 4 Patient Name= "Yahsika" Patient ID = "T-5678" Contact information = 077894655	Patient is added successfully! [Patient@52cc8049]	Patient is added successfully! [Patient@52cc8049]	Pass

	Valid General Appointment booking	User objective= 2 Doctor ID = 101 Patient ID = T-5678 Notes = "Fever" General or Referral = "G" Day = 14 Month = 09 Year = 2024	{Tue Oct 14 00:00:00 IST 3924=[GeneralAppointments@7c3df479]}	{Tue Oct 14 00:00:00 IST 3924=[GeneralAppointments@7c3df479]}	Pass
	Valid Referral Appointment booking	Doctor ID = 102 Patient ID = T-5678 Notes = "No notes" General or Referral = "R" Day = 25 Month = 10 Year = 2024 Doctor ID = 102 Notes = "No notes"	{Tue Nov 25 00:00:00 IST 3924=[ReferralAppointments@3941a79c]}	{Tue Nov 25 00:00:00 IST 3924=[ReferralAppointments@3941a79c]}	Pass
	Valid view all doctors	User objective= 1	"John Smith has a specialisation of Neuro Physician has a ID of 101 and has availability of [Tue Oct 14 00:00:00 IST 3924]"	"John Smith has a specialisation of Neuro Physician has a ID of 101 and has availability of [Tue Oct 14 00:00:00 IST 3924]"	Pass
	Valid View a Selected Doctor's Booking	User objective= 3 Doctor ID = "101"	{Tue Oct 14 00:00:00 IST 3924=[GeneralAppointments@506e1b77]}	{Tue Oct 14 00:00:00 IST 3924=[GeneralAppointments@506e1b77]}	Pass
	Exit from patient	User objective= 5	Exit	Exit	Pass

TC07	Invalid user input for referral or general in Patient class	User objective= 2 Doctor ID = 102 Patient ID = T-5678 Enter Notes = "No notes" Referral or General = "D" Day = 26 Month = 11 Year = 2024	"Doctor is not available on the selected date"	"Doctor is not available on the selected date"	Pass
	Invalid user input for doctor's available date	Doctor ID = 101 Patient ID = T-5678 Enter Notes = "No notes" Day = 29 Month = 09 Year = 2024 Referral or General = "R"	"Doctor is not available on the selected date"	"Doctor is not available on the selected date"	Pass
	Invalid View a Selected Doctor's Booking	User objective= 3 Doctor ID = 1015	"Invalid doctor ID"	"Invalid doctor ID"	Pass