



5COSC019C Object Oriented Programming
Coursework (2022/23)
Test Case Plan

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Test Case	Expected Result	Actual Result	Test Data	Test Status
1. Design and classes implementation (Phase 1)				
Person Class should include appropriate methods	It has encapsulation principle and hold information about the name, surname, date of birth and mobile number.	It has encapsulation principle and hold information about the name, surname, date of birth and mobile number.		Pass
The Doctor subclass should hold specific information and methods.	It is added the medical licence number and the specialisation (e.g., cosmetic dermatology, medical dermatology, paediatric dermatology, etc.)	It is added the medical licence number and the specialisation (e.g. cosmetic dermatology, medical dermatology, paediatric dermatology,)		Pass
The Patient subclass should hold specific information and methods.	It is added a patient unique id as instance variables (attribute) and the relative get/set methods.	It is added a patient unique id as instance variables (attribute) and the relative get/set methods.		Pass
Consultation class should represent the booked consultation with a specific doctor from a patient.	It is hold information about: date and time slot for the consultation, the cost, notes, and the relative get/set methods.	It is hold information about: date and time slot for the consultation, the cost, notes, and the relative get/set methods.		Pass
Design and implement a class called WestminsterSkinConsultationManager, which implements the interface SkinConsultationManager.	It is maintained the list of the doctors and provides all the methods for the system manager.	It is maintained the list of the doctors and provides all the methods for the system manager.		Pass
2. Console Menu Implementation (Phase 2)				

Show the menu option in the console.	1: Add a New Doctor 2: Delete a Doctor 3: Print the list of doctors 4: Save the details in a File 5: Open the Graphical User Interface 6: Exit the System	1: Add a New Doctor 2: Delete a Doctor 3: Print the list of doctors 4: Save the details in a File 5: Open the Graphical User Interface 6: Exit the System	Pass
	If It is an invalid choice. It is displayed "Invalid Choice, Please try again."	If It is an invalid choice. It is displayed "Invalid Choice, Please try again."	Pass
Add a New Doctor the System	Trail-1		
	Doctor No: Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:	Doctor No: Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:	Please confirm below details to add the user: First Name: Sujith Surname: Wicramasinge Date of Birth: 09/09/1988 Mobile Number: 719288467 Specialisation: medical dermatology Medical License Number: 9760
	Please enter Y to confirm or N to re-enter the details	Please enter Y to confirm or N to re-enter the details	Y Doctor has been added to the System
	Do you want to add another Doctor? (Y/ N):	Do you want to add another Doctor? (Y/ N):	N Doctor has been added to the System
	Trail-2		

Delete a doctor	Doctor No: Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:	Doctor No: Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:	Please confirm below details to add the user: First Name: AMILA Surname: WICRAMAGE Date of Birth: 06/06/1987 Mobile Number: 776475868 Specialisation: cosmetic dermatology Medical License Number: 67548	Pass
	Please enter Y to confirm or N to re-enter the details	Please enter Y to confirm or N to re-enter the details	Y	Pass
	If you enter invalid letter. Then It is displayed " Invalid Choice".	If you enter invalid letter. Then It is displayed " Invalid Choice".	Doctor has been added to the System k Invalid Choice	Pass
	Trail-1			
	Please enter the Doctor's Medical License Number:	Please enter the Doctor's Medical License Number:	Please enter the Doctor's Medical License Number: 67548	Pass

	<p>If it is a correct Doctor's Medical License Number. Then It is displayed "Do you want to delete doctor from the List ? (Y/N)"</p>	<p>If it is a correct Doctor's Medical License Number. Then It is displayed "Do you want to delete doctor from the List ? (Y/N)"</p>	<p>Y Doctor is removed from the list. Doctor is removed from the list: First Name: AMILA Surname: WICRAMAGE Date of Birth: 06/06/1987 Mobile Number: 776475868 Specialisation: cosmetic dermatology Medical License Number: 67548 Total Number of Doctors in the System: 2</p>	Pass
	Trail-2			
	<p>Please enter the Doctor's Medical License Number: If it is an incorrect Doctor's Medical License Number.</p>	<p>Please enter the Doctor's Medical License Number: If it is an incorrect Doctor's Medical License Number.</p>	<p>Please enter the Doctor's Medical License Number: 5643 Unable to find the doctor with the mentioned Medical License Number.</p>	Pass
				Pass
Print the list of doctors	<p>If doctor's list is empty.Then It is displayed "The Doctor List is Empty"</p>	<p>If doctor's list is empty.Then It is displayed "The Doctor List is Empty"</p>	<p>The Doctor List is Empty.</p>	Pass

	<p>If doctor's list is not empty. List of Doctors: Doctor No:Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:</p>	<p>If doctor's list is not empty. List of Doctors: Doctor No:Doctor's Name: Doctor's Sur Name: Doctor's Date of Birth: Doctor's Mobile Number: Doctor's Specialisation: Doctor's Medical License Number:</p>	<p>List of Doctors: Doctor No: 1 First Name: Sujith Surname: WicramasingeDate of Birth: 09/09/1988Mobile Number: 719288467Specialisation: medical dermatologyMedical License Number: 9760 Doctor No: 2Doctor's Name: FATHIMADoctor's Sur Name: MOHOMMADDoctor's Date of Birth: 21/04/1988Doctor's Mobile Number: 776576345Doctor's Specialisation: medical dermatologyDoctor's Medical License Number: 98855</p>	Pass
Save the details in a File	All the information are saved in the file. (DataFile.txt)	All the information are saved in the file. (DataFile.txt)	Doctor data saved to the file.	Pass
Read back all the information saved in the file	All the information are read in the file. (DataFile.txt)	All the information are read in the file. (DataFile.txt)	Doctor data read to the file.	Pass
3. Graphical User Interface (GUI) Implementation (Phase 3)				
View the List of Doctors in GUI	It is displayed List of the Doctors in GUI.	It is displayed List of the Doctors in GUI.	Displaying a table "Doctor list"	Pass

Sort the Doctor List Alphabetically in GUI	It is displayed List of the Doctors in Alphabetically	It is displayed List of the Doctors in Alphabetically	Displaying a table "Sorted Doctor List"	Pass
Add a Consultation in GUI	It is added a consultation with that specific doctor. It is displayed "Please select a doctor".	It is added a consultation with that specific doctor. It is displayed "Please select a doctor".	Displaying a table "Enter Appointment Details" Consultation Added with Doctor FATHIMA.	Pass
Show Consultations in GUI	It is displayed List of the Consultations.	It is displayed List of the Consultations.	Displaying a table "Consultations". Displayed KAMAL'S Appointment Details	Pass