Informatics Institute of Technology

5COSC019C Object-Oriented Programming

Coursework Report

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Test Cases

	Test Case	Expected Result	Actual Result	Pass/Fail
1	Choose menu option	The user has to select the option from the menu 1. Add a new doctor 2. Delete a doctor 3. Print a list of doctors 4. Save 5. Open GUI 6. Exit When entering the menu options, the below methods should be executed, 1-addDoctor() 2-deleteDoctor() 3-printDoctors() 4-saveDoctors() 5-Open GUI 6-Exit from the program	All the menu options worked correctly 1-addDoctor() 2-deleteDoctor() 3-printDoctors() 4-saveDoctors() 5-Open GUI 6-Exit from the program	Pass
2	Menu option input validation	When the user enters an invalid menu option, the system should display "Invalid choice. Please try again!" this message and run again the menu.	When the user enters an invalid menu option, successfully displayed "Invalid choice. Please try again!" this message.	Pass
3	Add a Doctor	It should be possible to add doctors with all the relevant information. When the doctor count is reached the maximum number of doctor count, it Should display " Cannot add more doctors. The maximum number of doctors reached! " and show the menu.	The user can add doctors till the doctor count reach the maximum doctor count. when the maximum number of doctor count is reached, the system successfully displays " Cannot add more doctors. The maximum number of doctors reached! " this message.	Pass
4	Delete a Doctor	It should be possible to delete a doctor by getting a medical license number.	successfully deleted a doctor by getting a medical license number.	Pass
5	Print Doctors	It should be possible to list down all the available doctors.	Successfully displayed all the available doctors.	Pass
6	Save Doctors	It should be possible to save all the doctor's details into a text file.	Successfully saved all the doctor details to the file.	Pass

7	Load Doctors	The next time the application starts it should be able to read back all the information saved in the file.	Successfully loaded all the doctor details from the file.	Pass
8	Integer input validation	when the user enters a string input instead of an integer input, the system should display "Integer Required! Please enter the number " this message and again ask the same question.	when the user enters a string input instead of an integer input, Successfully displayed "Integer Required! Please enter the number " this message.	Pass
9	Open GUI	It should be possible to Open GUI by entering menu option '5'	Successfully open the GUI.	Pass
10	View sorted doctor list in GUI	It should be possible to view all the doctor's details in alphabetical order.	Successfully displayed the doctor list in alphabetical order.	Pass
11	Calculation of the consultation fee	The consultation fee should calculate by considering this, each consultation is £25 per hour and the first consultation is £15 per hour	Successfully calculated the consultation fee.	Pass
12	Encryption of the note	The note should display as an encrypted note.	Successfully displayed encrypted note.	Pass