Informatics Institute of Technology

5COSC019C.1 Object Oriented Programming – 2023

Coursework Test Cases

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Test No.	Test input	Expected result	Actual result	Pass / Fail
Test Cases to add doctors				
1	Press number 1 in console menu	Start addDoctor() method	Start addDoctor() method	pass

2	Adding Doctor details as follow Enter the License Number:1 Enter Doctor's Name: Ravindu Enter Doctor's Surname: Herath Enter Doctor's Date Of Birth: 2001/04/09 Enter Doctor's Mobile Number:0123456790 Enter Doctor's Specialization: Dermetology	Adding doctor details to array as follow Enter the License Number:1 Enter Doctor's Name: Ravindu Enter Doctor's Surname: Herath Enter Doctor's Date Of Birth: 2001/04/09 Enter Doctor's Mobile Number:0123456790 Doctor's Specialization: Dermetology	Adding doctor details to array as follow License Number:1 Doctor's Name: Ravindu Doctor's Surname: Herath Doctor's Date Of Birth: 2001/04/09 Doctor's Mobile Number:0123456790 Doctor's Specialization: Dermetology	Pass
3	Adding Doctor details as follow Enter the License Number:2 Enter Doctor's Name: Pasan Enter Doctor's Surname: Herath Enter Doctor's Date Of Birth: 2002/01/01 Enter Doctor's Mobile Number: 0836543251 Enter Doctor's Specialization: Denstis	Adding doctor details to array as follow License Number:2 Doctor's Name: Pasan Doctor's Surname: Herath Doctor's Date Of Birth: 2002/01/01 Doctor's Mobile Number: 0836543251 Doctor's Specialization: Denstis	Adding doctor details to array as follow License Number:2 Doctor's Name: Pasan Doctor's Surname: Herath Doctor's Date Of Birth: 2002/01/01 Doctor's Mobile Number: 0836543251 Doctor's Specialization: Denstis	Pass

4	Adding Doctor details as follow Enter the License Number: 3 Enter Doctor's Name: Kavindu Enter Doctor's Surname: Herath Enter Doctor's Date Of Birth: 2003/03/03 Enter Doctor's Mobile Number: 5783423176 Enter Doctor's Specialization: psychology	Adding doctor details to array as follow License Number: 3 Doctor's Name: Kavindu Doctor's Surname: Herath Doctor's Date Of Birth: 2003/03/03 Doctor's Mobile Number: 5783423176 Doctor's Specialization: psychology	Adding doctor details to array as follow License Number: 3 Doctor's Name: Kavindu Doctor's Surname: Herath Doctor's Date Of Birth: 2003/03/03 Doctor's Mobile Number: 5783423176 Doctor's Specialization: psychology	Pass
5	After adding10 doctors in to array adding 11 th doctor details Enter the License Number: 11	Print out Add a license number not in the list.	Print out Add a license number not in the list.	Pass
6	Adding 3 as medical license number again	Print out Add a license number not in the list.	Print out Add a license number not in the list.	Pass
Test Cases to delete doctors				
7	Press number 2 in console menu	Start deleteDoctor() method	Start deleteDoctor() method	Pass

8	Delete the doctor by using the medical license number 2	Print "Doctor 2 has been successfully removed from the system." and remove doctor from arraylist	Print "Doctor 2 has been successfully removed from the system." and remove doctor from arraylist	Pass
9	Delete the doctor by using the medical license number 32	Print No doctor found with the specified medical license number.	Print No doctor found with the specified medical license number.	Pass

Test Cases to view doctors

110	Press number 3 in console menu	Starting viewDoctor() method and license number, name , surname, date of birth, mobile number, and specialization of the doctors, will display on your console, ordered alphabetically according to the doctor's surname.	Starting viewDoctor() method and license number, name , surname, date of birth, mobile number, and specialization of the doctors, will display on your console, ordered alphabetically according to the doctor's surname.	Pass
11	Expected output and Actual output both are the same as this →	Doctor's Name: Kavindu Doctor's Surname: Herath Doctor's Date Of Birth: 2003/03/03 Doctor's Mobile Number: 5783423176 Doctor's Specialization: psychology		Pass

Test cases to save doctors				
12	Enter number 4 to save the doctor's details	Starting saveDoctor() method and save doctor array list in a and Create ReadableDoctors.txt with Doctors.txt	Starting saveDoctor() method and save doctor array list in a and Create ReadableDoctors.txt with Doctors.txt	Pass
13	Load existing data after restart the program.	Load every detail that saved in Doctor.txt to the program at start	Load every detail that saved in Doctor.txt to the program at start	Pass
14	Press number 5 in console menu	Starting GUI with saved data displayed in a table called doctor table	Starting GUI with saved data displayed in a table called doctor table	Pass
15	Enter number 6 to Quit the program	Quitting Program	Quitting Program	Pass
Other test Cases				
16	Enter any number except 1,2,3,4,5,6	Print Out, Enter a valid input	Print Out, Enter a valid input	Pass
17	Enter String value other than number	Print Out, invalid. Enter a number	Print Out, invalid. Enter a number	Pass

Drive link to video demonstration:
https://drive.google.com/file/d/1TCuin7B1xh5zB6uBvJeZQjXGeixntDN7/view?usp=drive_link