5COSC019C: Object Oriented Programming

Test Plan

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Coursework Test Plan– 5COSC019C Object Oriented Programming

Test Case	Expected output	Actual output	Status
Run the programme	Should Display the menu	Displays the menu	PASS
Add a doctor named "Simon Louise" bears the license number "127" and also a medical dermatologist.	Should prompt to fill in the required fields and, after the user inputs correctly the programme should display a message	Dr. Simon Louise was added to centre.	PASS
Delete doctor "Simon Louise"	Displays the remaining number of doctors, and their name	Displays the remaining number of doctors, and their name	PASS
Print all the doctors' information	Should print all the doctors' information	Printed all the doctors' information	PASS
Add a new doctor called "Sheldon Smith" who bears the licence number 589 and save to the file.	Should prompt the required information and Save the details in to the file. And should also display a message saying that the information has been saved.	Prompts the required information and saved the details in the file. Displayed a message saying that the information has been saved.	PASS
Open the GUI and sort the doctors	Should open the user interface and display the SORT button	The names of the doctors' were displayed in alphabetical order after the user clicked on the "SORT" button.	PASS

Add a consultation for Dr. Jenushi Kiyara .	1. Opens the consultation Form 2. Fill in the appropriate information 3. And submit	1.Opened the consultation Form 2.User filled in the appropriate information And submitted	PASS

***A Detailed examination (regarding the test cases) is done below

Test Case 1 : Run the programme

Expected output: Display the menu

Actual output:

===
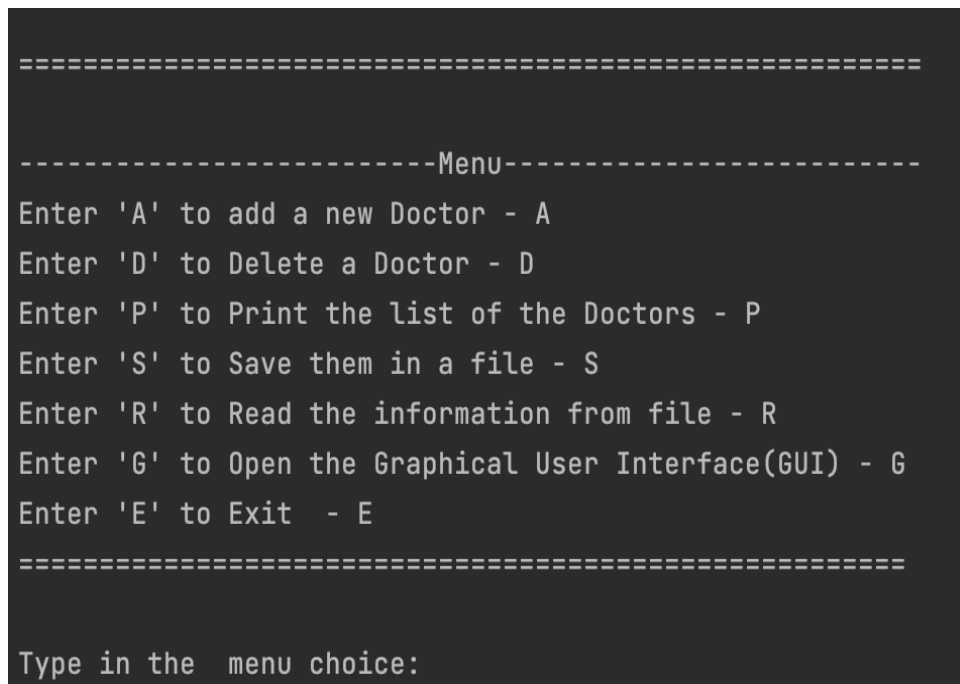
------------------------Menu------------------------

Enter 'A' to add a new Doctor - A

Enter 'D' to Delete a Doctor - D

Enter 'P' to Print the list of the Doctors - P

Enter 'S' to Save them in a file - S

Enter 'R' to Read the information from file - R

Enter 'G' to Open the Graphical User Interface(GUI) - G

Enter 'E' to Exit - E

===

Type in the menu choice:

Remarks: PASS

Figure 1| A screenshot of Test case 1

Test case 2: Add a doctor named "Simon Louise" bears the license number "127" and also a medical dermatologist.

Expected output:

Enter the first name of doctor:

Simon

Enter the surname of doctor:

Louise

Enter the medical Licence number of the doctor:

127

Enter specialisation of doctor:

medical Dermatalogist

Dr. Simon Louise was added to centre.

Actual output:

Enter the first name of doctor:

Simon

Enter the surname of doctor:

Louise

Enter the medical Licence number of the doctor:

127

Enter specialisation of doctor:

medical Dermatalogist

Dr. Simon Louise was added to centre.

Remarks: PASS

(User inputs our displayed in Ash)

```
Type in the  menu choice:
A
Enter the  first name of doctor:
Simon
Enter the  surname of doctor:
Louise
Enter the medical Licence number of the doctor:
127
Enter specialisation of doctor:
medical Dermatalogist
Dr.  Simon  Louise was added to centre.
```

Figure 2| A screenshot of test case 2(Output)

Test Case 3: Delete doctor "Simon Louise"

Expected output:

Type in the menu choice:

D

Type in the medical Licence number of the doctor to be deleted:

127

doctor name : Simon Louise

medical license number :127

specialisation : medical

Number of Doctors in the centre: 1

Sam

Actual Output

Type in the menu choice:

D

Type in the medical Licence number of the doctor to be deleted:

127

doctor name : Simon Louise

medical license number :127

specialisation : medical

Number of Doctors in the centre: 1

Sam

Remarks: PASS

```
============================================================

Type in the  menu choice:
D
Type in the medical Licence number of the doctor to be deleted:
127
doctor name : Simon Louise
medical license number :127
specialisation : medical


Number of Doctors in the centre: 1
hhj
```

Figure 3| A screenshot of test case 3

Test case 4: Print all the doctors' information

(Two doctors were added previously: Dr Meena Perera/ Dr Jenushi Kiyara)

Expected output:

Type in the menu choice:

P

Name of the Doctor : Jenushi Kiyara

Medical license number :2003

Specialization : Cosmetic

Name of the Doctor : Meena Perera

Medical license number :2005

Specialization : Dermatalogist

Actual output:

Type in the menu choice:

P

Name of the Doctor : Jenushi Kiyara

Medical license number :2003

Specialization : Cosmetic

Name of the Doctor : Meena Perera

Medical license number :2005

Specialization : Dermatalogist

Figure 4| A screenshot of testcase 4

Test Case 5: Add a new doctor called "Sheldon Smith" who bears the licence number 589 and save to the file.

Expected output:

Type in the menu choice:
S
System information was saved to the file.

Actual output:

```
Type in the  menu choice:
A
Enter the  first name of doctor:
Sheldon
Enter the  surname of doctor:
Smith
Enter the medical Licence number of the doctor:
589
Enter specialisation of doctor:
PediatricDermatologist
Dr.  Sheldon  Smith was added to centre.
```

```
Enter 'E' to Exit  - E
============================================================


Type in the  menu choice:
S

System information was saved to the file.


============================================================
```

    Remarks : PASS

Test case 6: Open the GUI and sort the doctors

Expected output:

Opens the GUI and Click on "SORT" button.

Actual output:

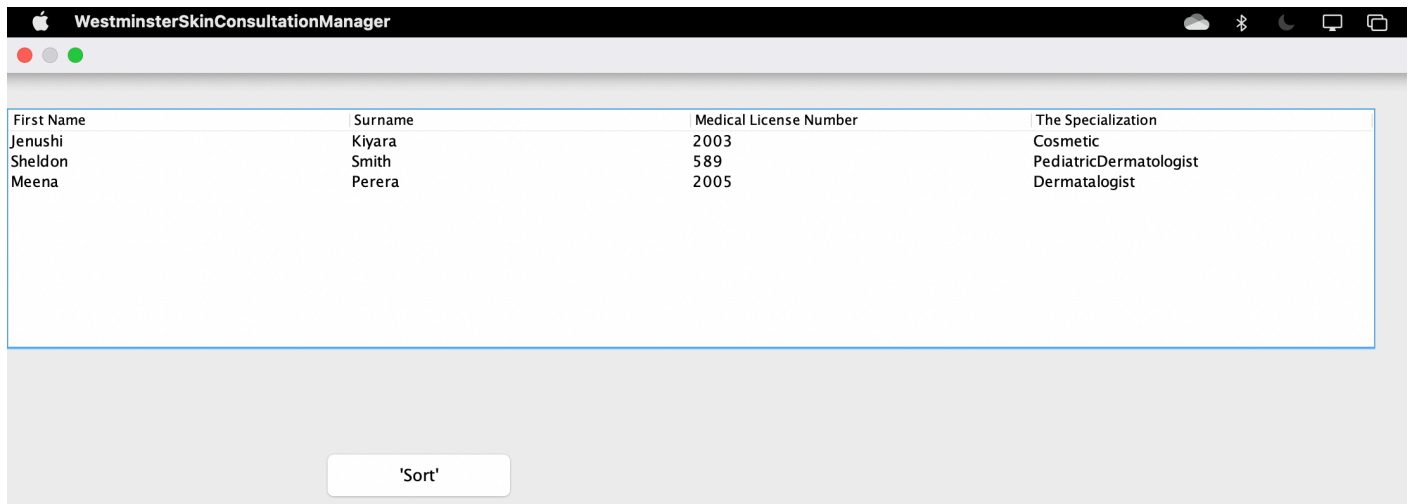| First Name	Surname	Medical License Number	The Specialization
Jenushi	Kiyara	2003	Cosmetic
Sheldon	Smith	589	PediatricDermatologist
Meena	Perera	2005	Dermatalogist

'Sort'

Figure 6| Before clicking the 'Sort' Button

First Name	Surname	Medical License Number	The Specialization
Jenushi	Kiyara	2003	Cosmetic
Meena	Perera	2005	Dermatalogist
Sheldon	Smith	589	PediatricDermatologist
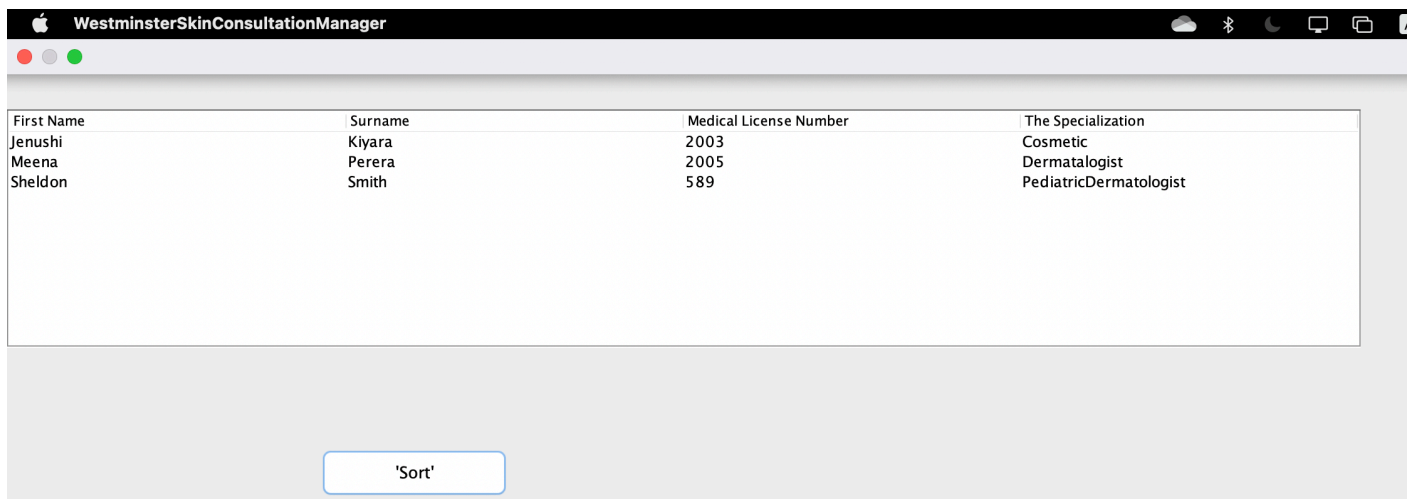
'Sort'

Figure 5|After clicking the 'sort' button

Test case 7: Add a consultation for Dr. Jenushi Kiyara .

Expected output:
4. Opens the consultation Form
5. Fill in the appropriate information
6. And submit

Actual output:

Figure 7| After clicking on "Dr. Jenushi Kiyara"

Figure 8| After filling the fields

Figure 9| After clicking on Submit

```
Doctor :   Dr Jenushi Kiyara
Patient Name : Shamila Perera
Mobile No : 0772118263
dOB : 28/Aug/2003
UNIQUE ID: #########
Cost (per hour)15
```

```
Notes   q��V�f 3 *�rE
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6>��_!�6w h� ;e�}��ȣ Z PAM&�� ��;9� �
{�t�D�$ � �[�S�pn%v�Vj����s�hW���;
����Γꜱ�y�����i��SY�� ꝣ��X�U����� ��
~���vSh�D⊤!O"#�Hz�#R%�r�� e� ��P
n�WmEG�($2���}W� �L,x\' @u���F�kRG�� �
�7�:ap�.��� c
```

Enter unique id to view notes.

1234   Submit

Figure 10| Entering the unique ID

Doctor : Dr Jenushi Kiyara
Patient Name : Shamila Perera
Mobile No : 0772118263
dOB : 28/Aug/2003
UNIQUE ID: #########
Cost (per hour)15

Testing and system validatio

Enter unique id to view notes.

1234   Submit

Figure 11| After clicking on "Submit"