

Test Plan
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Test Case	Expected Result	Actual Result	Pass/Fail
After the program starts, press 'M'	Displaying the menu system	Displaying the menu system	Pass
Select 'A' to add a doctor <ul style="list-style-type: none"> ▪ First name ▪ Surname ▪ Date of birth ▪ Mobile number ▪ Medical license number ▪ Specialization 	Possible to add a new doctor with the relevant information (Maximum of 10 doctors)	Possible to add a new doctor with the relevant information (Maximum of 10 doctors)	Pass
Select 'D' to delete a doctor <ul style="list-style-type: none"> ▪ Medical license number 	Possible to delete a doctor by entering the medical license number	Possible to delete a doctor by entering the medical license number	Pass
Select 'P' to print the list of doctors	Displaying the list of doctors with relevant information by alphabetical order according to the surnames	Displaying the list of doctors with relevant information by alphabetical order according to the surnames	Pass
Select 'S' to save the information	Successfully saving in a file. The next time application starts it should be able to read back all the information	Successfully saving in a file. The next time application starts it should be able to read back all the information	Pass
Select 'G' to open the graphical user interface	Successfully opening the GUI application and user can visualise the list of doctors with relative information	Successfully opening the GUI application and user can visualise the list of doctors with relative information	Pass
Select the 'Names in alphabetical order' button to sort the list alphabetically	Sorting alphabetically according to the doctor's surname	Sorting alphabetically according to the doctor's surname	Pass
Select the 'Book consultation' in JTabbedPane to add a	Possible to add patient information	Possible to add patient information	Pass

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consultation with a specific doctor			
Users can check the availability of the doctor on a specific date/time	Changing the colour of available doctors to green and booked doctors to blue	Changing the colour of available doctors to green and booked doctors to blue.	Pass
If the doctor is not available automatically another doctor will be allocated	The choice of doctor will select randomly among all available doctors	Availability is checked but the random allocation part is not completed	Fail
Select the cost for the consultation	Each consultation is £25 per hour and the first consultation is £15 per hour	Each consultation is £25 per hour and the first consultation is £15 per hour If the same person enters the cost as £15 for the first consultation and the same as the second consultation, the second consultation cost will automatically change to £25 (Checking by the NIC number)	Pass
Users can add some notes	Possible to add textual information	Possible to add textual information	Pass
Notes will be encrypted	Notes should be encrypted to preserve data privacy	Notes should be encrypted to preserve data privacy	Pass
Select the Visualized booked info in JTabbedPane and select the 'View' button to visualize all the stored information	Displaying all the stored information	Displaying all the stored information	Pass

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<p>If the user enters a wrong input in the console system</p> <ul style="list-style-type: none"> • Enter (M Q): j • Enter (A D P S G B): l • Enter the first name: robert Enter the surname: nox Enter the date of birth [DD/MM/YYYY]: 01/01/2005 Enter the mobile number: dfdf • Enter (M Q): m 	<p>Displaying an error message and the user can input again</p>	<p>Displaying an error message and the user can input again</p> <p>INVALID INPUT!!! TRY AGAIN...</p> <p>Enter (A D P S G B):</p> <p>INVALID INPUT TRY AGAIN...</p> <p>Users can enter capital or simple letters. (String value converted to upper case)</p>	<p>Pass</p>
<p>If the user enters 'B' user can go back and quit the program</p>	<p>Go back to quit the program</p>	<p>Go back to quit the program</p>	<p>Pass</p>