

• **Test Cases**

	Test Case	Expected Result	Actual Result	Pass/Fail
1	Add new Doctor. Enter 1 : Prompt for the Name, Surname, Date of Birth, Mobile number, License number and the Specialization.	Once all the inputs have been entered correctly, Display “Dr. (entered name) has been added to the doctor list”	Display “Dr. has been added to the list of doctors”	Pass
2	Enter a number as the first name. Enter name : 53Thavindu	Display ‘Please enter a valid name’ and prompt the user repeatedly until a correct input is received.	Display ‘Please enter a valid name’ and prompt the user repeatedly until a correct input is received.	Pass
3	Enter a String value when prompted for the birth year. Enter the year : w1978	Display ‘Please enter a valid year’ and prompt the user repeatedly until a correct input is received.	Display ‘Please enter a valid year’ and prompt the user repeatedly until a correct input is received.	Pass
4	Enter a year that is less than 1930. Enter the year : 1920	Display ‘Please enter a valid year : ’ and prompt the user repeatedly until a correct input is received.	Display ‘Please enter a valid year : ’ and prompt the user repeatedly until a correct input is received.	Pass
.5	Try the same input validation with the month and dates. Month : 14 Date :37	Prompt the user repeatedly until a correct input is received.	Prompt the user repeatedly until a correct input is received.	Pass
6	Enter a license number with letters. Enter license No. : as4567	Display ‘Please enter a valid license number : ’ and prompt the user repeatedly until a correct input is received.	Display ‘Please enter a valid license number : ’ and prompt the user repeatedly until a correct input is received.	Pass

7	Enter a specialization with numbers. Enter specialization : Lungs12	Display “Please enter a valid input“ and prompt the user repeatedly until a correct input is received.	Display “Please enter a valid input“ and prompt the user repeatedly until a correct input is received.	Pass
8	Add more than 10 doctors.	Display “There are no more available slots for doctors”	Display “There are no more available slots for doctors”	Pass
9	Remove a doctor. Enter : 2	Display the number of available doctors in the list.	Display the number of available doctors in the list.	Pass
10	Enter a license number that doesn’t belong to any doctor.	Display “The license number doesn’t match any of the doctors”	Display “The license number doesn’t match any of the doctors”	Pass
11	Remove a doctor with correct inputs.	Display “Dr (related doc name) has been removed from the list”	Display “Dr. (related doc name) has been removed from the list”	Pass
12	View list of doctors. Enter : 3	Display all the doctors sorted in ascending order of their surnames.	Display all the doctors sorted in ascending order of their surnames.	Pass
13	Save data. Enter : 4	Save all the data into a csv file generated by the program.	Save all the data into a csv file generated by the program.	Pass
14	Load data. Enter : 5	Load all data from the csv file located in the same directory.	Load all data from the csv file located in the same directory.	Pass
15	Load the GUI. Enter : 6	The main frame of the GUI opens.	The main frame of the GUI opens.	Pass
16	View the doctor’s table.	The doctors table is shown on the main frame on a table.	The doctors table is shown on the main frame on a table.	Pass
17	Sort the Doctors table.	A click on the headings of the table will sort the table	A click on the headings of the table will sort the table	Pass

		according to the column.	according to the column.	
18	Add Consultation.	This button will open a new frame where the user can enter their details.	This button will open a new frame where the user can enter their details.	Pass