| Test Case | Expected Result | Actual Result | Pass/Fail |
|---|---|---|---|
| Firstly, program start and press 1. | Prompt user inputs like name, surname, date of birth, mobile number, medical license number and specialization. | Prompt user inputs like name, surname, date of birth, mobile number, medical license number and specialization. | Pass |
| Display menu and enter not between 1 and 6. | Display "Invalid action. Please try again." And again prompt menu. | Display "Invalid action. Please try again." And again, prompt menu. | Pass |
| Display menu and enter string character. | Display "Invalid action. Please try again." And again prompt menu. | Display error "InputMismatchException" and stop the program. | Fail |
| Input 0 or 32 for the day in date of birth. | Display "Not correct range" | Display "Not correct range" | Pass |
| Input 0 or 13 for the month in date of birth. | Display "Not correct range" | Display "Not correct range" | Pass |
| Input less than 1939 or greater than 2099 for the year in date of birth. | Display "Not correct range" | Display "Not correct range" | Pass |
| Enter string character for the date of birth. | Display "Enter valid number." | Display error "InputMismatchException" and stop the program | Fail |
| Enter less than 10 or greater than 10 digits for the mobile number. | Display "Invalid mobile number. Please enter 10 digits and try again." | Display "Invalid mobile number. Please enter 10 digits and try again." | Pass |
| Enter string character for the mobile number. | Display "Invalid mobile number. Please enter 10 digits and try again." | Display "Invalid mobile number. Please enter 10 digits and try again." | Pass |
| All the user inputs added correctly. | Display "Doctor added successfully." | Display "Doctor added successfully." | Pass |
| Enter 2 for delete doctor. | Prompt "Enter doctor's medical licence number to remove from the system:" | Prompt "Enter doctor's medical licence number to remove from the system:" | Pass |
| Enter wrong medical ID to delete a doctor. | Display "No doctor was found with the specified medical license number. Please try again..." | Display "No doctor was found with the specified medical license number. Please try again..." | Pass |

| | | | |
|---|---|---|---|
| Add one doctor and enter correct medical ID to delete a doctor. | Display "The medical license number: 1 named doctor: Pasindu Marambe has been removed. Now the centre has 0 doctors." | Display "The medical license number: 1 named doctor: Pasindu Marambe has been removed. Now the centre has 0 doctors." | Pass |
| Enter 3 for print doctors. | Display all the information got from the user, alphabetically ordered by doctor's surname. | Display all the information got from the user, alphabetically ordered by doctor's surname. | Pass |
| Enter 4 for save all the information into a file. | Display "The data was successfully entered into the document." | Display "The data was successfully entered into the document." | Pass |
| Enter 5 for open GUI. | Open the GUI with 3 buttons. | Open the GUI with 3 buttons. | Pass |
| Press "View Doctors" | Display list of doctors with all the information. | Display list of doctors with all the information. | Pass |
| Press "Add Consultation" | Display input fields for enter patient details and doctor details. | Display input fields for enter patient details and doctor details. | Pass |
| Then press NEXT button. | Display available doctor name and allocation status. | Display available doctor name and allocation status. | pass |
| Calculate consultation fee | Display cost per hourly rate. | - | Fail |
| Press "View Consultation" | Display all the consultation informations. | - | Fail |
| Enter 6 for exit the program. | Close the program. | Close the program. | Pass |