

**Object Oriented Programming**

**5COSC019C.1**

Coursework Test Plan Document

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|  | Test Case | Expected Result | Actual Result | Pass/Fail |
| T1 | Pressing V in the console before adding doctors | “Doctor List empty !  Please add doctors to view details” displayed and menu prompted again | Similar to expected result | Pass |
| T2 | Pressing D in the console before adding doctors | No doctors found to delete displayed and menu prompted again | Similar to expected result | Pass |
| T3 | Pressing l in the console when doctor details file is empty | No Stored Data Found displayed and menu prompted again | Similar to expected result | Pass |
| T4 | Pressing g in the menu without adding doctors | “No doctors found !  Please add doctors before running the GUI” displayed and menu prompted again | Similar to expected result | Pass |
| T5 | Pressing Q in console menu | Exists program | Similar to expected result | Pass |
| T6 | Pressing a in the console | Request data for doctor details | Similar to expected result | Pass |
| T7 | Giving an invalid date for date of birth when adding a doctor | “Please enter a valid date according to the given format” displayed and date requested again | Similar to expected result | Pass |
| T8 | Giving an invalid day during adding days when adding a doctor | “Incorrect Day !” Displayed and day requested again | Similar to expected result | Pass |
| T9 | Giving the same day twice during adding days when adding a doctor | “Day Already Exists” displayed and prompted for another day | Similar to expected result | Pass |
| T10 | Entering an invalid time when adding doctor start time during adding a new doctor | “Invalid Time !” Displayed start time is requested again | Similar to expected result | Pass |
| T11 | Entering an invalid time when adding doctor end time during adding a new doctor | “Invalid Time !” Displayed end time is requested again | Similar to expected result | Pass |
| T12 | Adding an earlier time for end time than start time | “Starting time cannot be before end time !” displayed and start and end times requested again | Similar to expected result | Pass |
| T13 | Giving an otion besides “y” or “n” during add another doctor | “Please enter a valid menu option” displayed and question prompted again | Similar to expected result | Pass |
| T14 | Pressing v after adding  doctors | Displays doctor details in a table in the console where doctors have been sorted by their surnames in alphabetical order | Similar to expected result | Pass |
| T15 | Pressing D | Request for medical license of the doctor to be deleted | Similar to expected result | Pass |
| T16 | Giving an invalid license number when deleting doctor | Display that the doctor with that license was not found and Displays the total number of doctors in the center | Similar to expected result | Pass |
| T17 | Giving a valid license number to delete | Displays total number of doctors in the center and then giving the details of the doctor with that number and ask confirmation to delete | Similar to expected result | Pass |
| T18 | Giving confirmation to delete doctor | Doctor successfully deleted displayed | Similar to expected result | Pass |
| T19 | Pressing v after deleting doctor | Display all the doctors and details excluding that of the deleted doctor | Similar to expected result | Pass |
| T20 | Press w in the menu | Doctor data added to the doctor-details text file | Similar to expected result | Pass |
| T21 | Press l in the menu and then press v | All the doctors in the file is loaded to the system and shown in the view doctors table | Similar to expected result | Pass |
| T22 | Press g in menu | GUI is opened | Similar to expected result | Pass |
| T23 | Pressing the view doctors available button | Launches a new window with a table containing all the doctors and details of doctors available | Similar to expected result | Pass |
| T24 | Selecting the column header of the doctors table in the GUI | Sorts the table according to the field in that column | Similar to expected result | Pass |
| T25 | Pressing the schedule consultation button in the GUI | New window requesting patient details is generated | Similar to expected result | Pass |
| T26 | Pressing the submit button without filling all the fields | Warning message will pop asking the user to fill the relevant field | Similar to expected result | Pass |
| T27 | Enters an invalid date for date of birth | Warning message will pop up asking the user to change the date | Similar to expected result | Pass |
| T28 | Press submit button after filling all fields correctly | Success message pops up and new window containing consultation is displayed | Similar to expected result | Pass |
| T29 | Entering an incorrect date for consultation | Warning message will pop up asking the user to change the date | Similar to expected result | Pass |
| T30 | Pressing check availability button after selecting a doctor that’s not available | Displays date and time of consultation and the fact that the selected doctor is not available and randomly schedules the consultation to an available doctor. Then displays date and time of consultation and the details of the consultation including consultation price according to selected duration | Similar to expected result | Pass |
| T31 | Pressing check availability button after selecting a doctor that’s available | Displays date and time of consultation and the details of the consultation including consultation price according to selected duration | Similar to expected result | Pass |
| T32 | Scheduling consultation with an existing patient ID | Consultation fees is charged 25 per hour | Similar to expected result | Pass |
| T33 | Scheduling consultation with an new patient ID | Consultation fees is charged 15 per hour | Similar to expected result | Pass |
| T34 | Selecting the notes text pane | Can inset notes into the pane | Similar to expected result | Pass |
| T35 | Clicking upload image button | File chooser is displayed asking the user to select a file | Similar to expected result | Pass |
| T36 | Clicking view image after uploading image | Displays selected image in  A new window within a scroll pane | Similar to expected result | Pass |
| T37 | Click "Save&View consultation details" button | The consultation details along with encrypted notes are displayed in a new window | Similar to expected result | Pass |
| T38 | Click "Save&View consultation details" button after uploading image | An encrypted image of the user selected image can be found inside the project folder labeled with the patient ID | Similar to expected result | Pass |