Coursework Test Plan – 5COSC019 Object Oriented Programming

Student Name   : Akindu Dinan Manamperi Karunaratne

UoW ID   : w1898951

IIT ID   : 20211364

Console Menu (Phase 2)				
No	**Test Case Scenario**	**Test Case Description**	**Expected Result**	**Actual Result**	**Pass/Fail**
1	Check that the console menu displays correctly	User runs driver class	Display the console menu	Displays the console menu	**Pass**
2	Verify menu option input	User enters invalid input such as 7 or W)	Display error message and return user to menu	Displays error message and returns to menu	**Pass**
3	Verify menu option input	User enters 1 or "A" in the console menu	Console displays add doctor and asks user for the first name of the doctor	Console displays add doctor and asks user for the first name of the doctor	**Pass**
4	Check first name input validation	User enters invalid first name such as Akindu123	Display error message that first name is in an incorrect format and ask the input again from the user	Displays error message that first name is in an incorrect format and ask the input again from the user	**Pass**
5	Check first name input validation	User does not enter a first name and keeps it empty	Display error message that the first name cannot be empty	Displays error message that the first name cannot be empty	**Pass**
6	Check first name input validation	User enters valid first name. For example "Akindu"	Accepts input and asks user for doctors' surname	Accepts input and asks user for doctors' surname	**Pass**
7	Check last name input validation	User enters invalid last name such as 23Karunaratne	Displays error message that last name is in an incorrect format and ask the input again from the user	Displays error message that last name is in an incorrect format and ask the input again from the user	**Pass**
8	Check last name input validation	User does not enter a last name and keeps it empty	Display error message that the last name cannot be empty	Displays error message that the last name cannot be empty	**Pass**
9	Check return to menu option	User enters "R" instead of a valid name	User is taken back to the main menu	User is returned to the main menu	**Pass**
10	Check last name input validation	User enters valid first name. For example "Karunaratne"	Accepts input and asks user for doctor's date of birth	Accepts input and asks user for doctor's date of birth	**Pass**
11	Verify Date of Birth	User enters invalid date of birth. such as 1993-02-30	Displays error message that Date of Birth is incorrect	Displays error message that Date of Birth is incorrect	**Pass**

12	Verify Date of Birth	For this consultation centre I have assumed that there is a minimum and maximum age requirement for a doctor to be able to consult patients (Between 1962-12-31 and 1999-01-01) User enters 1900-01-23 or 2003-01-23	Display error message doctor does not meet the age requirement.	Displays error message doctor does not meet the age requirement.	**Pass**
13	Verify Date of Birth	User enters 23-01-1995 as date of birth	Displays error message that date of birth has to be in YYYY-MM-DD format	Displays error message that date of birth has to be in YYYY-MM-DD format	**Pass**
14	Verify Date of Birth	User enters 1995-01-23	Accepts input and asks user to enter mobile number	Accepts input and asks user to enter mobile number	**Pass**
15	Check mobile number validation	User enters invalid phone number. For example 012345	Displays mobile number has to contain only digits and a length of 10	Displays mobile number has to contain only digits and a length of 10	**Pass**
16	Check mobile number validation	User enters invalid mobile number: a770457896	Displays mobile number has to contain only digits and a length of 10	Displays mobile number has to contain only digits and a length of 10	**Pass**
17	Check mobile number validation	User keeps mobile number empty	Displays mobile number cannot be empty	Displays mobile number cannot be empty	**Pass**
18	Check mobile number validation	User enters valid mobile number: 0770457896	Accepts user input and displays list of specializations for a doctor	Accepts user input and displays list of specializations for a doctor	**Pass**
19	Verify selected specialization	User enters invalid input such as 6 or "A"	Displays that entered input is invalid and asks user for the input again while displaying options again	Displays that entered input is invalid and asks user for the input again while displaying options again	**Pass**
20	Verify selected specialization	User does not enter an option and presses enter.	Displays that selection cannot be empty and asks user for the input again while displaying options again	Displays that selection cannot be empty and asks user for the input again while displaying options again	**Pass**
21	Verify selected specialization	User enters "O" to manually enter a specialization	Displays another input prompt asking user to type the specialization	Displays another input prompt asking user to type the specialization	**Pass**
22	Verify selected specialization	User enters invalid input such as test123	Displays error message that specialization can only contain letters and asks user for the input again.	Displays error message that specialization can only contain letters and asks user for the input again.	**Pass**
23	Verify selected specialization	User keeps the input prompt empty	Displays that specialization cannot be empty and asks user for the input again while displaying options again	Displays that specialization cannot be empty and asks user for the input again while displaying options again	**Pass**
24	Verify selected specialization	User enters "P" from the selection menu option	Accept user input and ask user for medical license number of the doctor	Accepts user input and ask user for medical license number of the doctor	**Pass**

25	Verify medical license number	User keeps the input empty	Display an error message saying medical license number cannot be empty	Display an error message saying medical license number cannot be empty	**Pass**
26	Verify medical license number	User enters valid medical license number: p18989511	Accepts input and displays that the (doctor name) was added to the centre. Also displays the current number of doctors in the centre.	Accepts input and displays that the (doctor name) was added to the centre. Also displays the current number of doctors in the centre.	**Pass**
27	Check that the medical license number is unique	User has entered the details of another doctor and is going to enter the medical license number

User enters p18989511 | Display an error messaging saying that the entered medical license number already exists and user is asked to re-enter input | Displays an error messaging saying that the entered medical license number already exists and user is asked to re-enter input | **Pass** |
| 28 | Verify the limit of doctors (10) that can be added to the centre. | The user has entered 10 doctors into the centre via the console menu.

User enters 1 or "A" from the menu to add another doctor | Displays error message saying the maximum number of doctors has been added to the centre and returns user to the menu. | Displays error message saying the maximum number of doctors has been added to the centre and returns user to the menu. | **Pass** |
| 29 | Verify menu option input | There are no doctors added in the centre

User enters 2 or "D" to delete a doctor | Display no doctors in the centre to be deleted and returns user to menu. | Display no doctors in the centre to be deleted and returns user to menu.. | **Pass** |
| 30 | Verify menu option input | After user adds a few doctors to the centre.

User enters 2 or "D" to delete a doctor | Console displays delete doctor and displays the current doctors in the centre with their full name and medical license number. Asks user to enter medical license number of the doctor needed to be deleted. | The console displays the deleted doctor and displays the current doctors in the centre with their full name and medical license number. Asks user to enter medical license number of the doctor needed to be deleted. | **Pass** |
| 31 | Verify medical license number | User enters a medical license number which is not in the system | Display that no such medical license exists and to re-check the existing list and enter input again | Display that no such medical license exists and to re-check the existing list and enter input again | **Pass** |
| 32 | Verify medical license number | User enters medical license number which is in the system (p18989511) | Accepts input and displays the information of the doctor with that medical license number.

Asks user to confirm the deletion by entering "Y" or "N" | Accepts input and displays the information of the doctor with that medical license number.

Asks user to confirm the deletion by entering "Y" or "N" | **Pass** |
| 33 | Confirm deletion of doctor | User enters "M" instead or "Y" or "N" | Displays the entered input is incorrect and asks user to re-enter the confirmation | Displays the entered input is incorrect and asks user to re-enter the confirmation | **Pass** |
| 34 | Confirm deletion of doctor | User enters "N" | Displays doctor not deleted and returns to the menu | Displays doctor not deleted and returns to the menu | **Pass** |

35	Confirm deletion of doctor	User enters "Y"	Displays doctor has been deleted and the remaining number of doctors in the centre and returns user to the menu	Displays doctor has been deleted and the remaining number of doctors in the centre and returns user to the menu	Pass
36	Verify menu option input	No doctors have been added to the centre User enters 3 or "P" to print list of doctors	Display no doctors have been added to the centre to print	Display no doctors have been added to the centre to print	Pass
37	Verify printing of doctors sorted alphabetically by surname	User adds a few doctors to the centre some with the same surname User enters 3 or "P" to print list of doctors	Displays all the doctors in the system with their information. Displayed sorted in alphabetical order of the surname. If the surname is the same the doctors will be sorted based on their first name	Displays all the doctors in the system with their information. Displayed sorted in alphabetical order of the surname. If the surname is the same the doctors will be sorted based on their first name	Pass
38	Verify saving data to a file	The system has a few doctors added by the user. User enters 4 or "S" to save the data	Displays that the data has been saved successfully and returns user to the menu	Displays that the data has been saved successfully and returns user to the menu	Pass
39	Check exiting the program via the console menu	User enters 0 or "X" in the menu	Displays exiting the program and stops the program	Displays exiting the program and stops the program	Pass
40	Check if data is automatically loaded when the application is restarted	User re-runs the driver class.	Displays an alert saying previously saved data was found and that data has been automatically reloaded. Display the main menu below that.	Displays an alert saying previously saved data was found and that data has been automatically reloaded. Display the main menu below that.	Pass
41	Verify all data has been loaded	User enters 3 or "P" to print the list of doctors.	Displays the previously saved doctors sorted alphabetically by surname	Displays the previously saved doctors sorted alphabetically by surname	Pass
42	Verify that a doctor can still be added to the centre without overwriting the loaded data	User enters 1 or "A" in the menu and adds another doctor to the centre.	Displays doctor has been successfully added along with the number of the doctors in the centre which should be 1 more than the previously saved data	Displays doctor has been successfully added along with the number of the doctors in the centre which should be 1 more than the previously saved data	Pass
43	Verify previously saved doctors and last added doctors can be still deleted.	User enters 2 or "D" in the menu to delete a doctor	Displays all the doctors in the system from the previously saved file and the last added doctor. Asks user for medical license number to delete a doctor.	Displays all the doctors in the system from the previously saved file and the last added doctor. Asks user for medical license number to delete a doctor.	Pass
44	Verify user could return to the menu if they accidentally selected the delete option	User enters "R" in the input prompt	Returns user to the main menu	Returns user to the main menu	Pass

45	Verify user can open GUI from the console menu	User enters 5 or "G" in the menu.	GUI Home page opens in a new window. The progress should be automatically saved if the user does not manually save the progress by entering 4 or "S"	GUI Home page opens in a new window. The progress was automatically saved.	**Pass**
GUI (Phase 3)					
46	View All Doctors	The user opens GUI without adding any doctors and clicks "View All Doctors" in the home page	Displays a pop-up message saying there are no doctors available in the skin consultation centre at the moment	Displays a pop-up message saying there are no doctors available in the skin consultation centre at the moment	**Pass**
47	View All Doctors	User clicks "View All Doctors" button in the GUI home page	Closes the GUI window and opens a new window which displays table which contains information of all the doctors in the centre	Closes the GUI window and opens a new window which displays table which contains information of all the doctors in the centre	**Pass**
48	Sorting Doctors alphabetically by their first name	User clicks "Sort Doctors by First Name" button in the view all doctors window	Sorts the table and the doctors are sorted alphabetically by their first name	Sorts the table and the doctors are sorted alphabetically by their first name	**Pass**
49	Sorting Doctors alphabetically by their last name	User clicks "Sort Doctors by Last Name" button in the view all doctors window	Sorts the table and the doctors are sorted alphabetically by their last name	Sorts the table and the doctors are sorted alphabetically by their last name	**Pass**
50	Display the original table	User clicks on the "Default Table" button in the view all doctors window	The original table without any sorting is displayed	The original table without any sorting is displayed	**Pass**
51	Consult a doctor	User clicks on the "Consult a doctor" button in the view all doctors window	The window with all the doctors closes and the window where the user has to select a doctor, date and time slot for a consultation opens	The window with all the doctors closes and the window where the user has to select a doctor, date and time slot for a consultation opens	**Pass**
52	Return to home page	User clicks the back button icon in the top left corner in the doctor table window	The window with the doctor table closes and the GUI home page is opened	The window with the doctor table closes and the GUI home page is opened	**Pass**
53	Adding a consultation	The user has opened the GUI without adding any doctors User clicks on the "Add Consultation" button on the GUI home page	Displays a pop-up message saying there are no doctors available in the skin consultation centre at the moment	Displayed a pop-up message saying there are no doctors available in the skin consultation centre at the moment	**Pass**
54	Adding a consultation	User clicks on the "Add Consultation" button on the GUI home page	GUI home page closes and a new window opens in which the user can select a doctor,	GUI home page closed, and a new window opens in which the user can select a doctor,	**Pass**

			date and time slot for a consultation	date and time slot for a consultation opens.	
55	Adding a consultation	User selects a doctor from the drop-down list	The drop-down list contains all the doctor names in the system along with their medical license number	The drop-down list contains all the doctor names in the system along with their medical license number	**Pass**
56	Validating details entered by user to add a consultation	User presses the "Confirm" button in the booking consultation window without entering the start time and end time. (Date of consultation by default is todays date).	An error message pop-up window alerts the user that the start time and end time cannot be empty. Once the pop-up is closed the user should be still in the booking consultation window	An error message pop-up window alerted the user that the start time and end time cannot be empty. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
57	Validating details entered by user to add a consultation	I assumed that the centre only operated from 9am to 5pm User enters 8am for the start time and 9am for the end time or 6pm as start time or 5pm as start time and 6pm as end time	An error message pop-up window appears alerting the user that the start time cannot be before 9am or after 5pm Once the pop-up is closed the user should be still in the booking consultation window	An error message pop-up window appears alerting the user that the start time cannot be before 9am or after 5pm Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
58	Validating details entered by user to add a consultation	I added an additional condition so that the consultation should be at least 10 minutes and a maximum of 2 hours User enters start time as 10:00am and end time as 10:09am	A pop-up with an error message appears saying the consultation duration cannot be less than 10 minutes. Once the pop-up is closed the user should be still in the booking consultation window	A pop-up with an error message appears saying the consultation duration cannot be less than 10 minutes. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
59	Validating details entered by user to add a consultation	User enters start time as 11:00am and end time as 13:01 pm	A pop-up with an error message appears saying the consultation duration cannot be more than 2 hours. Once the pop-up is closed the user should be still in the booking consultation window	A pop-up with an error message appears saying the consultation duration cannot be more than 2 hours. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
60	Validating details entered by user to add a consultation	User enters the start time or end time of the consultation in a 12-hour format such as 1.10pm	A pop-up with an error message appears alerting the user that the time should be entered in the 24-hour format. Once the pop-up is closed the user should be still in the booking consultation window	A pop-up with an error message appears alerting the user that the time should be entered in the 24-hour format. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
61	Validating details entered by user to add a consultation	User enters an end time which is before the start time of the consultation	A pop-up with an error message appears alerting the user that the end time should	A pop-up with an error message appears alerting the user that the end time should	**Pass**

			be after the start time of the consultation. Once the pop-up is closed the user should be still in the booking consultation window	be after the start time of the consultation. Once the pop-up is closed the user can re-enter a start time and end time	
62	Validating details entered by user to add a consultation	User enters the start time of the consultation which is before the current time	A pop-up with an error message appears alerting the user that the start time cannot be before the current time. Once the pop-up is closed the user should be still in the booking consultation window	A pop-up with an error message appears alerting the user that the start time cannot be before the current time. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
63	Validating details entered by user to add a consultation	User enters a date which is before the current date	A pop-up with an error message appears alerting the user that the consultation date cannot be before the current date. Once the pop-up is closed the user should be still in the booking consultation window	A pop-up with an error message appears alerting the user that the consultation date cannot be before the current date. Once the pop-up is closed the user can re-enter a start time and end time	**Pass**
64	Confirming consultation details	User has entered valid inputs. User clicks on the "Confirm" button in the consultation booking window.	A pop-up informs the user that the selected doctor (name) was allocated to the user on this date and in the entered time slot. Once the pop-up is closed the window for booking the consultation is closed and the window where the patient details should be entered is opened	A pop-up informs the user that the selected doctor (name) was allocated to the user on this date and in the entered time slot. Once the pop-up is closed the window for booking the consultation is closed and the window where the patient details should be entered is opened	**Pass**
65	Confirming consultation details	The selected doctor already has a consultation in the entered time slot. User clicks on the "Confirm" button in the consultation booking window.	A pop-up informs the user that the selected doctor (name) was not available at the given time slot and another doctor (name) was allocated to the user on this date and in the entered time slot. Once the pop-up is closed the window for booking the consultation is closed and the window where the patient details should be entered is opened	A pop-up informs the user that the selected doctor (name) was not available at the given time slot and another doctor (name) was allocated to the user on this date and in the entered time slot. Once the pop-up is closed the window for booking the consultation is closed and the window where the patient details should be entered is opened	**Pass**
66	Confirming consultation details	No doctors in the consultation centre are available for the entered time slot	The user is alerted via a pop-up saying that no doctors are available in the given time slot. The user will be asked to	The user is alerted via a pop-up saying that no doctors are available in the given time slot. The user will be asked to	**Pass**

		User clicks on the "Confirm" button in the consultation booking window	enter another time slot or select a different date.	enter another time slot or select a different date.	
67	Return to home page	User clicks the back button icon in the top left corner in the consultation booking window.	The consultation window closes, and the GUI home page is opened	The consultation window closes, and the GUI home page is opened	**Pass**
68	Going back from Adding Patient Details window	User has confirmed a date and time for the consultation with the selected doctor. User decides to go back to the booking consultation window by pressing the back icon on the top left	The patient details window should close and the booking consultation window should be opened.	The patient details window close and the booking consultation window opened.	**Pass**
69	Check if previous doctor consultation has been removed when going back	The user has gone back to the booking consultation window. The user enters the same date and time slot for the same doctor confirmed before returning back	The doctor should still be available for consultation as the final consultation was not confirmed. A pop-up informs the user that the selected doctor (name) was allocated to the user on this date and in the entered time slot	A pop-up informed the user that the selected doctor (name) was allocated to the user on this date and in the entered time slot. Can confirm the consultation was cancelled as the doctor was still available in the same time slot	**Pass**
70	Adding patient details to confirm the consultation	User does not enter any inputs for the text fields and clicks on the "Submit" button	An error message appears as a pop-up showing all the errors listed such as first name is empty, last name is empty etc. Once the error message is closed the user will still be in the patient window and will be allowed to re-enter the details	An error message appeared as a pop-up listing down all the errors saying that the text fields cannot be empty Once the error message is closed the user will still be in the patient window and will be allowed to re-enter the details	**Pass**
71	Verify First name input	User enters valid details other than the first name where they enter "test123" and clicks "Submit" button on patient details window	Similar to the previous test case an error message should pop-up saying only the first name is in an incorrect format	A pop-up appears with an error message saying the first name was in an incorrect format	**Pass**
72	Verify Last name input	User enters valid details other than the last name where they enter "123name" and clicks "Submit" button on patient details window	Similar to the previous test case an error message should pop-up saying only the last name is in an incorrect format	A pop-up appears with an error message saying the last name was in an incorrect format.	**Pass**
73	Verify National ID input	User enters invalid national ID with 11 digits but all other inputs	An error message pop-up should alert the user that the national ID should be exactly	An error message pop-up alerts the user that the national ID should be exactly 12 digits.	**Pass**

		are valid and clicks "Submit" button on patient details window	12 digits. Once the window is closed the user can re-enter the details in the patient details window.	Once the window is closed the user can re-enter the details in the patient details window.	
74	Verify National ID input	User enters invalid national id with 12 characters but not only digits. All other inputs are valid 2003023ak123 User clicks "Submit" button on patient details window	An error message pop-up should alert the user that the national ID should only contain digits and should be a length of 12. Once the window is closed the user can re-enter the details in the patient details window.	An error message pop-up alerts the user that the national ID should only contain digits and should be a length of 12. Once the window is closed the user can re-enter the details in the patient details window.	**Pass**
75	Validate Date of Birth input	User enters today's date or tomorrow's date as the date of birth. All other inputs by the user are valid and clicks "Submit" button on patient details window	An error message pop-up should appear to inform the user that the date of birth cannot be today's date or a future date.	An error message pop-up informs the user that the date of birth cannot be today's date or a future date. Once the window is closed the user can re-enter the details in the patient details window.	**Pass**
76	Validate Date of Birth input	User enters 23-01-1995 as date of birth. All other inputs are valid and clicks "Submit" button on patient details window	An error message pop-up should appear to inform the user that the date of birth should be in YYYY-MM-DD format	An error message pop-up informs the user that the date of birth should be in YYYY-MM-DD format. Once the window is closed the user can re-enter the details in the patient details window.	**Pass**
77	Check mobile number input	User enters an invalid mobile number with 9 digits – 012345678 All other inputs from the user are valid and clicks "Submit" button on patient details window	An error message should appear to alert the user that the mobile number should be exactly 10 digits	An error message pop-up alerts the user that the mobile number should be exactly 10 digits. Once the window is closed the user can re-enter the details in the patient details window.	**Pass**
78	Check mobile number input	User enters an invalid mobile number with 10 characters – 01234K5678 All other inputs from the user are valid and clicks "Submit" button on patient details window	An error message should appear to alert the user that the mobile number should contain only digits and have a length of 10	An error message pop-up alerts the user that the mobile number should contain only digits and have a length of 10. Once the window is closed the user can re-enter the details in the patient details window.	**Pass**
79	Verify uploading an image	User clicks "Upload Image" button in the patient details window	Another window should open allowing the user to browse through the image files in their device and select and image.	Another window opens and the user can select only images from their device	**Pass**
80	Verify uploading an image	User selects "Cancel" inside the window that	The window for browsing image files closes and the user is still in the patient details	The window for browsing image files closes and the user is still in the patient details	**Pass**

		allows the user to browse through the image files.	window with all the entered inputs still in the text fields.	window with all the entered inputs still in the text fields.	
81	Verify uploading an image	User selects an image file clicks "Open" in the file explorer window.	The file explorer window closes and the preview of the selected image should be displayed inside the patient details window.	The file explorer window closes and the preview of the selected image is displayed in a small box inside the patient details window.	**Pass**
82	Checking multiple invalid inputs	User enters invalid first name **and** last name or invalid date of birth **and** mobile number etc. and clicks "Submit" button on patient details window	The error messages should be listed down in the pop-up window that appears for invalid inputs.

For example:

First Name is in an incorrect format

Last Name is in an incorrect format | The pop-up window lists down the error messages for all the invalid inputs. Once the window is closed the user can re-enter the details in the patient details window. | **Pass** |
| 83 | Reset patient details | User enters a few inputs, uploads an image, and then clicks the "Reset" button in the patient details window. | All the inputs should be cleared and the placeholder text can be seen. The image is also removed | All the inputs are cleared and the placeholder text can be seen. The image is also removed | **Pass** |
| 84 | Submitting patient details | User has entered all valid inputs. User clicks "Submit" button in the patient details window | A pop-up message is displayed with all the details of the patient as well as the doctor selected and the date and time of the consultation.

A unique patient id, consultation id and cost of the consultation is also displayed to the user in that pop up message.

Once the pop-up message is closed the user is returned to the home page. | A pop-up message is displayed with all the details of the patient as well as the doctor selected and the date and time of the consultation.

A unique patient id, consultation id and cost of the consultation is also displayed to the user in that pop up message.

Once the pop-up message is closed the user is returned to the home page. | **Pass** |
| 85 | Submitting patient details | User has booked a consultation for a patient who already has a consultation booked in the same date and time slot. | Error message pop-up window should appear to alert user that the patient already has a booking in that time slot and to enter another start time and end time.

User will be redirected to the booking consultation window to enter another start time and end time | Error message pop-up window should appear to alert user that the patient already has a booking in that time slot and to enter another start time and end time.

User will be redirected to the booking consultation window to enter another start time and end time | **Pass** |
| 86 | Verifying patient ID and consultation ID | User enters the valid details of the first patient to confirm a consultation. | In the pop-up window which displays all the consultation details the patient ID should be P001 and consultation ID should be C001 | In the pop-up window which displays all the consultation details the patient ID is P001 and consultation ID is C001 | **Pass** |

87	Verifying cost calculation of £15 per hour for first consultation of patient	User enters valid details of the patient for their first consultation at the centre from 10:00 to 11:00 User clicks "Submit" button in the patient details window	In the pop-up window which displays the consultation details the cost should be displayed as £15.00	In the pop-up window which displays the consultation details the cost was displayed as £15.00	**Pass**
88	Verify Patient ID and Consultation ID	User books another consultation for Patient with ID P001 by entering the same details. User clicks "Submit" button in the patient details window	The pop window displays the patient ID as P001 and the consultation ID as C002	The pop window displays the patient ID as P001 and the consultation ID as C002	**Pass**
89	Verifying cost £25 per hour for every other consultation for the patient	User enters a patients first consultation at the centre from 14:00 to 15:00 User clicks "Submit" button in the patient details window	In the pop-up window which displays the consultation details the cost should be displayed as £25.00	In the pop-up window which displays the consultation details the cost was displayed as £25.00	**Pass**
90	Verify cost is being calculated at an hourly rate.	User books a consultation for a patient from 11:30-12:00. It's the patients first consultation at the centre User clicks "Submit" button in the patient details window	In the pop-up window which displays the consultation details the cost should be displayed as £7.50	In the pop-up window which displays the consultation details the cost was displayed as £7.50	**Pass**
91	Verify cost is being calculated at an hourly rate.	User books a consultation for a patient from 11:30-12:00. It's the patients second consultation at the centre User clicks "Submit" button in the patient details window	In the pop-up window which displays the consultation details the cost should be displayed as £12.50	In the pop-up window which displays the consultation details the cost was displayed as £12.50	**Pass**
92	Verify the notes and images uploaded by the user is encrypted.	User adds some textual information in the text area given for notes and uploads an image. (Assume this is consultation C001)	A new folder should be created in the "Encrypted Patient Data" folder in the project directory. The name of this new folder should be the consultation ID which in this test case is C001.	A new folder was created in the "Encrypted Patient Data" folder in the project directory. The name of this new folder was the consultation ID which in this test case is C001. Inside the folder 3 files were there: notes.txt, image.png and key.aes	**Pass**

		User clicks "Submit" button in the patient details window	Inside the folder 3 files should be there, notes.txt, image.png and key.aes These files are unreadable to the user in-order to protect privacy (encrypted).	These files were unreadable which verifies that the information was encrypted.	
93	Saving GUI progress	User clicks "Submit" button in the patient details window to confirm a consultation.	A file or files consisting of consultation data should be saved in the GUI package folder.	A file for consultation data and a file for patient/consultation IDs are saved.	**Pass**
94	Closing program from GUI.	User clicks the 'x' button in any of the frames of the GUI	Closes the current GUI window and shows console menu where the program has been terminated	Closes the current GUI window and shows console menu where the program has been terminated	**Pass**
95	Verify previous GUI data is loaded	User re-runs the driver class and opens the GUI from the menu. User selects the "View Consultations" option from the GUI home page	GUI Home page window is closed and the View Consultations window opens The consultation IDs added in the previous instance of the program should be displayed in the combo box	The consultation IDs added in the previous instance of the program were displayed in the combo box	**Pass**
96	View consultations	User selects a consultation ID from the combo box and clicks on the "Select" button	The details of the consultation and the details of the patient who booked the consultation are displayed. If there are notes and images added by the user they will be shown by decrypting the data saved in the "Encrypted Patient Data" folder	The details of the consultation and the details of the patient who booked the consultation were displayed. C001 had both notes and an uploaded image which was displayed in the consultation details section	**Pass**
97	View consultations	User selects a consultation ID from the combo box and clicks on the "Select" button. This consultation does not have an image or notes	The details of the consultation and the details of the patient who booked the consultation are displayed. Notes and Images section should display No notes/images added	The details of the consultation and the details of the patient who booked the consultation were displayed. Notes and Images section displays No notes/images added	**Pass**
98	View consultations	User selects "View Consultations" without having added any consultations to the system.	An error message pop-window appears alerting the user that there are no consultations available at the moment	An error message pop-window appears alerting the user that there are no consultations available at the moment	**Pass**
99	Return to Home page	User clicks the back button icon in the top left corner in the view consultations window.	The view consultations window closes and the GUI home page is opened	The view consultations window closes and the GUI home page is opened	**Pass**
100	Verify "Exit" button	User clicks on "Exit" button on the GUI home page	The GUI home page window closes and the user is returned to the console menu	The GUI home page window closes and the user is returned to the console menu	**Pass**