# Coursework Test Plan – 5COSC019C Object Oriented Programming

Student Name: Sandeepa Induwara Samaranayake

IIT ID: 20210302

UOW ID: w1867067

Test plan for console application

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| Test No. | Test Input | Expected Result | Actual Result | Pass / Fail |
| Menu Item 1 – Show Menu ( “M” or “m” ) | | | | |
| 01 | Enter “M” to the main prompt | Show menu | Show menu | Pass |
| 02 | Enter “m” to the main prompt | Show menu | Show menu | Pass |
| 03 | Enter any other character or character combination (e.g. abc, 123, abc123, @abc) to the main prompt | Show an error | Show an error  Output:  ( SEEMS LIKE, YOU ARE ENTERING A WRONG MENU KEY. ERROR : console\_application.InvalidInputErrorException. ERROR FLAG = 10 ) | Pass |
| Menu Item 2 – Add a new doctor ( “A” or “a”) | | | | |
| 04 | Enter “A” to the main prompt | Request doctor details | Request doctor details  Output:  ( ENTER MEDICAL LICENCE NUMBER (USE 6 DIGIT NUMBER FORMAT (E.g. 123456).  ENTER Q TO GO BACK.): ) | Pass |
| 05 | Enter “a” to the main prompt | Request doctor details | Request doctor details  Output:  (ENTER MEDICAL LICENCE NUMBER (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 06 | Enter an invalid medical licence number (a123bcdef, abc, @123, #abc123)  ( Medical licence number of a doctor should be 6 digit integer value e.g. 123456) | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE MEDICAL LICENCE NUMBER FORMAT IS CORRECT. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 07 | Enter a valid medical licence number (e.g. 123456, 455667) | Request first name of the doctor. | Request first name of the doctor.  Output:  (ENTER DOCTOR'S FIRST NAME (E.g.- John. ENTER Q TO GO BACK.):) | Pass |
| 08 | Enter “Q” or “q” to go back to the main prompt | Go back to the main prompt. | Send user back to the main prompt. | Pass |
| 09 | Enter an invalid doctor first name (e.g. John123, John Steve, @John)  (First name should be one word which contains only letters) | Display an error message and ask first name again. | Display an error message and ask first name again.  Output:  (ERROR : THE ENTERED FIRST NAME CANNOT PROCEED. (MAKE SURE ONLY THE LETTERS ARE INCLUDED IN THE FIRST NAME. E.g. John ). ERROR FLAG = 1) | Pass |
| 10 | Enter a valid first name (e.g. John, Henry) | Request last name of the doctor. | Request last name of the doctor.  Output:  (ENTER DOCTOR'S SURNAME (E.g.- John. ENTER Q TO GO BACK.):) | Pass |
| 11 | Enter an invalid doctor last name (e.g. John123, John Steve, @John)  (First name should be one word which contains only letters) | Display an error message and ask last name again. | Display an error message and ask last name again.  Output:  (ERROR : THE ENTERED SURNAME CANNOT PROCEED. (MAKE SURE ONLY THE LETTERS ARE INCLUDED IN THE SURNAME. E.g. Steve ). ERROR FLAG = 1) | Pass |
| 10 | Enter a valid last name (e.g. John, Henry) | Request birthday of the doctor. | Request birthday of the doctor.  Output:  (ENTER DATE OF BIRTH (USE YYYY-MM-DD FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 11 | Enter an invalid birthday (e.g. 2023-09-09 – In future, 2001.09.09, 2001:09:09, abc, 123acb, @ewr123 )  (Birthday should be in yyyy-mm-dd format and should be a past date. Future dates will be rejected and produce an error.) | Display an error message and ask birthday again. | Display an error message and ask birthday again.  Output:  (ERROR : THE ENTERED BIRTH DAY CANNOT PROCEED. (MAKE SURE THE CORRECT BIRTHDAY FORMAT (YYYY-MM-DD) IS USED. E.g. 2001-08-03 ). ERROR FLAG = 3) | Pass |
| 12 | Enter a valid birthday (e.g. 2001-09-09, 2009-05-02) | Request mobile number of the doctor. | Request mobile number of the doctor.  Output:  (ENTER MOBILE NUMBER (USE +94773568837 FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 13 | Enter an invalid mobile number (e.g. @234235 – numbers with signs, abc12345- numbers with letters or with an invalid format)  (Mobile number should be in one of these formats – 1234567890, +94703568839 ) | Display an error message and ask mobile number again. | Display an error message and ask mobile number again.  Output:  (ERROR : THE ENTERED MOBILE NUMBER CANNOT PROCEED. (MAKE SURE THE CORRECT MOBILE NUMBER FORMAT IS USED. E.g. +94773568837 ). ERROR FLAG = 4) | Pass |
| 14 | Enter a valid mobile number (e.g. 1234567890, +94703568839) | Request address of the doctor. | Request address of the doctor.  Output:  (ENTER ADDRESS (USE '76 PARK ROAD, LONDON' FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 15 | Enter an invalid address (e.g. @abcdef – contains signs , 123- contains only numbers or with a wrong format)  (Address should be in “76 PARK ROAD, LONDON” format.) | Display an error message and ask address again. | Display an error message and ask address again.  Output:  (ERROR : THE ENTERED ADDRESS CANNOT PROCEED. (MAKE SURE THE ADDRESS FORMAT IS CORRECT. E.g. 76 PARK ROAD, LONDON ). ERROR FLAG = 5) | Pass |
| 16 | Enter a valid address (e.g. “76 PARK ROAD, LONDON” ) | Request specialisation of the doctor. | Request specialisation of the doctor.  Output:  (ENTER SPECIALISATION OF THE DOCTOR (E.g. Cosmetic Dermatology. ENTER Q TO GO BACK.):) | Pass |
| 17 | Enter an invalid specialisation (e.g. 123, @abc, %123abc)  (Specialisation can be a couple of words but should not contain signs, numbers. Only letters allowed) | Display an error message and ask specialisation again. | Display an error message and ask specialisation again.  Output:  (ERROR : THE ENTERED SPECIALISATION CANNOT PROCEED. (MAKE SURE TO USE ONLY LETTERS. YOU CAN USE SPACES TO SEPARATE WORDS. E.g. Cosmetic Dermatology ). ERROR FLAG = 7) | Pass |
| 18 | Enter a valid specialisation (e.g. “Cosmetic Dermatology”) | Request category of the doctor. | Request category of the doctor.  Output:  (ENTER CATEGORY OF THE DOCTOR (E.g. Cosmetic Dermatology. ENTER Q TO GO BACK.):) | Pass |
| 19 | Enter an invalid category( e.g. 123, @abc, %123abc )  (Category can be a couple of words but should not contain signs, numbers. Only letters allowed) | Display an error message and ask category again. | Display an error message and ask category again.  Output:  (ERROR : THE ENTERED CATEGORY CANNOT PROCEED. (MAKE SURE TO USE ONLY LETTERS. YOU CAN USE SPACES TO SEPARATE WORDS. E.g. Surgeon ). ERROR FLAG = 7) | Pass |
| 20 | Enter a valid category(e.g. Surgeon) | Add doctor into the system and send user back to the main prompt. | Add doctor into the system and send user back to the main prompt.  Output:  (DOCTOR SANDEEPA SAMARANAYAKE WITH LICENCE NUMBER 123459 SUCCESSFULLY ADDED TO THE SYSTEM.) | Pass |
| Menu Item 3 – View all doctors ( “V” or “v”) | | | | |
| 21 | Enter “V” to the main prompt | Show all doctor details ordered alphabetically by surname | Show all doctor details ordered alphabetically by surname | Pass |
| 22 | Enter “v” to the main prompt | Show all doctor details ordered alphabetically by surname | Show all doctor details ordered alphabetically by surname | Pass |
| 23 | Enter any other character or character combination (e.g. abc, 123, abc123, @abc) to the main prompt | Show an error | Show an error  Output:  ( SEEMS LIKE, YOU ARE ENTERING A WRONG MENU KEY. ERROR : console\_application.InvalidInputErrorException. ERROR FLAG = 10 ) | Pass |
| Menu Item 4 – Delete a doctor ( “D” or “d”) | | | | |
| 24 | Enter “D” to the main prompt | Prompt to enter medical licence number of the doctor | Prompt to enter medical licence number of the doctor  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR YOU WANT TO DELETE.(USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 25 | Enter “d” to the main prompt | Prompt to enter medical licence number of the doctor | Prompt to enter medical licence number of the doctor  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR YOU WANT TO DELETE.(USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 26 | Enter an invalid medical licence number (a123bcdef, abc, @123, #abc123)  ( Medical licence number of a doctor should be 6 digit integer value e.g. 123456) | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE MEDICAL LICENCE NUMBER FORMAT IS CORRECT. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 27 | Enter a medical licence number that is not existing in the system | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE ENTERED MEDICAL LICENCE NUMBER IS CORRECT. SEEMS LIKE THE ENTERED MEDICAL LICENCE NOT EXISTING IN THE SYSTEM. TRY AGAIN USING ANOTHER LICENCE NUMBER. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 28 | Enter a valid medical licence number which is existing in the system. | Delete the doctor and show a message that doctor has successfully deleted. Finally display the number of remaining doctors in the center | Delete the doctor and show a message that doctor has successfully deleted. Finally display the number of remaining doctors in the center  Output:  (THE DOCTOR TWETWET WETWE SPECIALIST IN DFDFH WITH LICENCE ID : 123456 HAS BEEN REMOVED FROM SYSTEM.  TOTAL NUMBER OF REMAINING DOCTORS : 4) | Pass |
| Menu Item 5 – Add consultations ( “C” or “c”) | | | | |
| 29 | Enter “C” to the main prompt | Prompt to add the consultation | Prompt to add the consultation  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 30 | Enter “c” to the main prompt | Prompt to add the consultation | Prompt to add the consultation  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 31 | Enter an invalid medical licence number (a123bcdef, abc, @123, #abc123)  ( Medical licence number of a doctor should be 6 digit integer value e.g. 123456) | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE MEDICAL LICENCE NUMBER FORMAT IS CORRECT. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 32 | Enter a medical licence number that is not existing in the system | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE ENTERED MEDICAL LICENCE NUMBER IS CORRECT. SEEMS LIKE THE ENTERED MEDICAL LICENCE NOT EXISTING IN THE SYSTEM. TRY AGAIN USING ANOTHER LICENCE NUMBER. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 33 | Enter a valid medical licence number | Request patient id for the consultation. | Request patient id for the consultation.  Output:  (ENTER PATIENT ID (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 34 | Enter an invalid patient id (a123bcdef, abc, @123, #abc123)  ( Patient id of a patient should be 6 digit integer value e.g. 123456) | Display an error message and ask patient id again. | Display an error message and ask patient id again.  Output:  (ERROR : THE ENTERED PATIENT ID CANNOT PROCEED. (MAKE SURE THE PATIENT ID FORMAT IS CORRECT. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 35 | Enter a valid patient id | Request patient first name to place the consultation. | Request patient first name to place the consultation.  Output:  (ENTER PATIENT'S FIRST NAME (E.g.- John. ENTER Q TO GO BACK.):) | Pass |
| 36 | Enter an invalid patient first name (e.g. John123, John Steve, @John)  (First name should be one word which contains only letters) | Display an error message and ask the first name again. | Display an error message and ask first name again.  Output:  (ERROR : THE ENTERED FIRST NAME CANNOT PROCEED. (MAKE SURE ONLY THE LETTERS ARE INCLUDED IN THE FIRST NAME. E.g. John ). ERROR FLAG = 1) | Pass |
| 37 | Enter a valid first name (e.g. John, Henry) | Request last name of the patient. | Request last name of the patient.  Output:  (ENTER PATIENT’S SURNAME (E.g.- Steve. ENTER Q TO GO BACK.):) | Pass |
| 38 | Enter an invalid patient last name (e.g. John123, John Steve, @John)  (Last name should be one word which contains only letters) | Display an error message and ask last name again. | Display an error message and ask last name again.  Output:  (ERROR : THE ENTERED SURNAME CANNOT PROCEED. (MAKE SURE ONLY THE LETTERS ARE INCLUDED IN THE SURNAME. E.g. Steve ). ERROR FLAG = 1) | Pass |
| 39 | Enter a valid last name (e.g. John, Henry) | Request birthday of the patient. | Request birthday of the patient.  Output:  (ENTER DATE OF BIRTH (USE YYYY-MM-DD FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 40 | Enter an invalid birthday (e.g. 2023-09-09 – In future, 2001.09.09, 2001:09:09, abc, 123acb, @ewr123 )  (Birthday should be in yyyy-mm-dd format and should be a past date. Future dates will be rejected and produce an error.) | Display an error message and ask birthday again. | Display an error message and ask birthday again.  Output:  (ERROR : THE ENTERED BIRTH DAY CANNOT PROCEED. (MAKE SURE THE CORRECT BIRTHDAY FORMAT (YYYY-MM-DD) IS USED. E.g. 2001-08-03 ). ERROR FLAG = 3) | Pass |
| 41 | Enter a valid birthday (e.g. 2001-09-09, 2009-05-02) | Request mobile number of the patient. | Request mobile number of the patient.  Output:  (ENTER MOBILE NUMBER (USE +94773568837 FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 42 | Enter an invalid mobile number (e.g. @234235 – numbers with signs, abc12345- numbers with letters or with an invalid format)  (Mobile number should be in one of these formats – 1234567890, +94703568839 ) | Display an error message and ask mobile number again. | Display an error message and ask mobile number again.  Output:  (ERROR : THE ENTERED MOBILE NUMBER CANNOT PROCEED. (MAKE SURE THE CORRECT MOBILE NUMBER FORMAT IS USED. E.g. +94773568837 ). ERROR FLAG = 4) | Pass |
| 43 | Enter a valid mobile number (e.g. 1234567890, +94703568839) | Request address of the patient. | Request address of the patient.  Output:  (ENTER ADDRESS (USE '76 PARK ROAD, LONDON' FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 44 | Enter an invalid address (e.g. @abcdef – contains signs , 123- contains only numbers or with a wrong format)  (Address should be in “76 PARK ROAD, LONDON” format.) | Display an error message and ask address again. | Display an error message and ask address again.  Output:  (ERROR : THE ENTERED ADDRESS CANNOT PROCEED. (MAKE SURE THE ADDRESS FORMAT IS CORRECT. E.g. 76 PARK ROAD, LONDON ). ERROR FLAG = 5) | Pass |
| 45 | Enter a valid address (e.g. “76 PARK ROAD, LONDON” ) | Request requirements of the patient. | Request requirements of the doctor.  Output:  (ENTER PATIENT'S REQUIREMENT FOR CONSULTATION (E.g. ENTER Q TO GO BACK.):) | Pass |
| 46 | Enter requirements using an invalid requirement format(e.g. @42acd, $abcd)  (Requirements can contain only letters and numbers. Signs are not allowed) | Display an error message and ask requirements again. | Display an error message and ask requirements again.  Output:  (ERROR : THE ENTERED REQUIREMENT CANNOT PROCEED. (MAKE SURE TO USE ONLY LETTERS, NUMBERS AND SIGNS. YOU CAN USE SPACES TO SEPARATE WORDS. E.g. Rash ). ERROR FLAG = 13) | Pass |
| 47 | Enter valid requirements (e.g. Rash etc.) | Request notes of the patient. | Request notes of the patient.  Output:  (ENTER PATIENT'S NOTES FOR CONSULTATION (E.g. ENTER Q TO GO BACK.):) | Pass |
| 48 | Enter notes using an invalid notes format(e.g. @42acd, $abcd)  (Notes can contain only letters and numbers. Signs are not allowed) | Display an error message and ask to enter notes again. | Display an error message and ask to enter notes again.  Output:  (ERROR : THE ENTERED NOTES CANNOT PROCEED. (MAKE SURE TO USE ONLY LETTERS AND NUMBERS. YOU CAN USE SPACES TO SEPARATE WORDS. E.g. This is a note about patient ). ERROR FLAG = 13) | Pass |
| 49 | Enter notes using valid format (e.g. This is a note about patient ) | Request consultation date from the patient. | Request consultation date from the patient.  Output:  (ENTER CONSULTATION DATE (USE YYYY-MM-DD FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 50 | Enter an invalid consultation date (e.g. 2020-09-09 – In the past, 2001.09.09, 2001:09:09, abc, 123acb, @ewr123 )  (Consultation date should be in yyyy-mm-dd format and should be a future date. Past dates will be rejected and produce an error.) | Display an error message and ask consultation date again. | Display an error message and ask consultation date again.  Output:  (ERROR : THE ENTERED CONSULTATION DATE CANNOT PROCEED. (MAKE SURE THE CORRECT CONSULTATION DATE FORMAT (YYYY-MM-DD) IS USED. E.g. 2023-01-14 ). ERROR FLAG = 3) | Pass |
| 51 | Enter a valid consultation date (e.g. 2023-09-09, 2023-04-04) | Print all timeslots along with the availability of each within the given date and let user to select a timeslot by entering the timeslot id. | Print all timeslots along with the availability of each within the given date and let user to select a timeslot by entering the timeslot id.  Output:  (ENTER TIMESLOT (ENTER Q TO GO BACK.):) | Pass |
| 52 | Enter invalid timeslot id (e.g. 0 or a value greater than 10)  (Timeslot id should be a value between 1 to 10 (inclusive) ) | Display an error message and ask to enter timeslot id again. | Display an error message and ask to enter timeslot id again.  Output:  (ERROR : THE ENTERED TIME SLOT CANNOT PROCEED. (MAKE SURE USE CORRECT TIMESLOT ID. E.g. 1 ). ERROR FLAG = 2) | Pass |
| 53 | Enter valid timeslot id | Place the consultation according to the given details by the user and display a message that consultation successfully placed. | Place the consultation according to the given details by the user and display a message that consultation successfully placed.  Output:  (THE CONSULTATION FOR ERTE HAS BEEN PLACED SUCCESSFULLY ON 2023-09-09 09.00 A.M. - 10.00 A.M. WITH Dr. MAHESH) | Pass |
| Menu Item 6 – View consultations ( “N” or “n”) | | | | |
| 54 | Enter “N” to the main prompt | Display all consultation details | Display all consultation details | Pass |
| 55 | Enter “n” to the main prompt | Display all consultation details | Display all consultation details | Pass |
| 56 | Enter any other character or character combination (e.g. abc, 123, abc123, @abc) to the main prompt | Show an error | Show an error  Output:  ( SEEMS LIKE, YOU ARE ENTERING A WRONG MENU KEY. ERROR : console\_application.InvalidInputErrorException. ERROR FLAG = 10 ) | Pass |
| Menu Item 6 – Cancel consultations ( “F” or “f”) | | | | |
| 57 | Enter “F” to the main prompt | Request consultation id of the consultation you want to cancel | Request consultation id of the consultation you want to cancel  Output:  (ENTER CONSULTATION ID (USE 8 DIGIT NUMBER FORMAT (E.g. 20230000). ENTER Q TO GO BACK.):) | Pass |
| 58 | Enter “f” to the main prompt | Request consultation id of the consultation you want to cancel | Request consultation id of the consultation you want to cancel  Output:  (ENTER CONSULTATION ID (USE 8 DIGIT NUMBER FORMAT (E.g. 20230000). ENTER Q TO GO BACK.):) | Pass |
| 59 | Enter invalid consultation id | Display an error message and ask to enter consultation id again. | Display an error message and ask to enter consultation id again.  Output:  (ERROR : THE ENTERED CONSULTATION ID CANNOT PROCEED. (MAKE SURE THE CONSULTATION ID FORMAT IS CORRECT. E.g. 20230000 ). ERROR FLAG = 16) | Pass |
| 60 | Enter valid consultation id | Cancel the consultation and display a message that the consultation has been successfully cancelled. Finally display the remaining number of consultations | Cancel the consultation and display a message that the consultation has been successfully cancelled. Finally display the remaining number of consultations  Output:  (THE CONSULTATION ASSOCIATED WITH CONSULTATION ID 20230000 LINKED TO PATIENT 543543 : ERTER WITH THE DOCTOR 123455 : ERTER HAS BEEN REMOVED FROM THE SYSTEM.  THE REMAINING NUMBER OF CONSULTATIONS : 0) | Pass |
| Menu Item 7 – Check available timeslots ( “T” or “t”) | | | | |
| 61 | Enter “T” to the main prompt | Request medical licence number of the doctor user want to check for the availability | Request medical licence number of the doctor user want to check for the availability  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR YOU WANT TO CHECK FOR AVAILABILITY (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 62 | Enter “t” to the main prompt | Request medical licence number of the doctor user want to check for the availability | Request medical licence number of the doctor user want to check for the availability  Output:  (ENTER MEDICAL LICENCE NUMBER OF THE DOCTOR YOU WANT TO CHECK FOR AVAILABILITY (USE 6 DIGIT NUMBER FORMAT (E.g. 123456). ENTER Q TO GO BACK.):) | Pass |
| 63 | Enter an invalid medical licence number (a123bcdef, abc, @123, #abc123)  ( Medical licence number of a doctor should be 6 digit integer value e.g. 123456) | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE MEDICAL LICENCE NUMBER FORMAT IS CORRECT. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 64 | Enter a medical licence number that is not existing in the system | Display an error message and ask medical licence number again. | Display an error message and ask medical licence number again.  Output:  (ERROR : THE ENTERED MEDICAL LICENCE NUMBER CANNOT PROCEED. (MAKE SURE THE ENTERED MEDICAL LICENCE NUMBER IS CORRECT. SEEMS LIKE THE ENTERED MEDICAL LICENCE NOT EXISTING IN THE SYSTEM. TRY AGAIN USING ANOTHER LICENCE NUMBER. E.g. 123456 ). ERROR FLAG = 6) | Pass |
| 65 | Enter a valid medical licence number | Request the date user want to check for availability of timeslots | Request the date user want to check for availability of timeslots  (ENTER CONSULTATION DATE YOU WANT TO CHECK FOR AVAILABILITY (USE YYYY-MM-DD FORMAT. ENTER Q TO GO BACK.):) | Pass |
| 66 | Enter an invalid consultation date (e.g. 2020-09-09 – In the past, 2001.09.09, 2001:09:09, abc, 123acb, @ewr123 )  (Consultation date should be in yyyy-mm-dd format and should be a future date. Past dates will be rejected and produce an error.) | Display an error message and ask consultation date again. | Display an error message and ask consultation date again.  Output:  (ERROR : THE ENTERED CONSULTATION DATE CANNOT PROCEED. (MAKE SURE THE CORRECT CONSULTATION DATE FORMAT (YYYY-MM-DD) IS USED. E.g. 2023-01-14 ). ERROR FLAG = 3) | Pass |
| 67 | Enter a valid consultation date (e.g. 2023-09-09, 2023-04-04) | Print all timeslots along with the availability of each within the given date. | Print all timeslots along with the availability of each within the given date. | Pass |
| Menu Item 8 – View all patients ( “B” or “b”) | | | | |
| 68 | Enter “B” to the main prompt | Display all patient details. | Display all patient details. | Pass |
| 69 | Enter “b” to the main prompt | Display all patient details. | Display all patient details. | Pass |
| Menu Item 9 – Store program data into a file ( “S” or “s”) | | | | |
| 70 | Try to save program data by entering “s” or “S” menu keys. | Save to database and display a message that all data saved successfully. | Save to database and display a message that all data saved successfully.  Output:  (1 DOCTOR RECORD/S SUCCESSFULLY SAVED TO DATABASE.  1 PATIENT RECORD/S SUCCESSFULLY SAVED TO DATABASE.  1 CONSULTATION RECORD/S SUCCESSFULLY SAVED TO DATABASE  ALL DATA SAVED SUCCESSFULLY) | Pass |
| 71 | Try to save data without adding any doctors or consultations. | Nothing will save to database and display a message that nothing is saved. | Nothing will save to database and display a message that nothing is saved.  Output:  (0 DOCTOR RECORD/S SUCCESSFULLY SAVED TO DATABASE.  0 PATIENT RECORD/S SUCCESSFULLY SAVED TO DATABASE.) | Pass |
| Menu Item 9 – Graphical user interface ( “G” or “g”) | | | | |
| 72 | Load graphical user interface by entering menu key “G” or “g” | Display GUI on the screen | Display GUI on the screen | Pass |
| Menu Item 10 – Exit ( “X” or “x”) | | | | |
| 73 | Exit from program by entering “X” or “x” | Exit program | Exit program | Pass |