Assignment 2 Testing

Ryan Chau  
Fredrick Wong

**Testing Main Menu**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual Test Results** |
| S,g,l,p,&  (Random chars) | Invalid Input not a character between 1-7 | Outputs error and reprints menu | Outputs error and reprints menu |
| 1 | Add Patient | Prompt user for new patient data | Prompt user for new patient data |
| 2 | Get Next Patient | Next patient to be output | Next Patient is output |
| 2 | Get Next patient when there are no patients in the list | Error message that there are no patient in queue and reprints menu | Error message that there are no patient in queue and reprints menu |
| 3 | Display prompt asking for patient id we wish to change | Display prompt asking for patient id we wish to change | Display prompt asking for patient id we wish to change |
| 4 | Save Patient List and clear | Patient Successfully Saved | Patient Successfully Saved |
| 5 | Load Patients When there is a valid patient.txt file | Patients Successfully Loaded | Patients Successfully Loaded |
| 5 | When there is no patient.txt file | Return to main menu | Return to main menu |
| 6 | Print Patient List when there are entries | Patient’s printed | Patient’s printed |
| 6 | When there are no entries in the patient list | \*\*\*\*\*\*Patient's List\*\*\*\*\*\*  No Patients in list  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | \*\*\*\*\*\*Patient's List\*\*\*\*\*\*  No Patients in list  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| 7 | Exit program | Exit’s program | Exit’s program |

**Testing Adding a Patient 1**

When entering last name

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing name | Works | Works |
| Batman123 | Testing name with number | Works | Works |
| &\*&&&&& | Testing symbols | Works | Works |

When entering first name

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing name | Works | Works |
| Batman123 | Testing name with number | Works | Works |
| &\*&&&&& | Testing symbols | Works | Works |

When entering middle name

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing name | Works | Works |
| Batman123 | Testing name with number | Works | Works |
| &\*&&&&& | Testing symbols | Works | Works |

When entering birth year

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a number | Error invalid year please enter a year between 1850 and 2018 | Error invalid year please enter a year between 1850 and 2018 |
| Batman123 | Testing invalid input not a number with numbers | Error invalid year please enter a year between 1850 and 2018 | Error invalid year please enter a year between 1850 and 2018 |
| 1840 | Enter a year that’s too small | Invalid year of birth! please select a year between 1850-2018 | Invalid year of birth! please select a year between 1850-2018 |
| 2019 | Entering a year that’s too big | Invalid year of birth! please select a year between 1850-2018 | Invalid year of birth! please select a year between 1850-2018 |
| 1850 | Entering a year between 1850 -2018 | Accepted | Accepted |
| 1950 | Entering a year between 1850 -2018 | Accepted | Accepted |

When Entering a birth Month

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a number | Error invalid month! please enter a month between 1 and 12 | Error invalid month! please enter a month between 1 and 12 |
| Batman123 | Testing invalid input not a number with numbers | Error invalid month! please enter a month between 1 and 12 | Error invalid month! please enter a month between 1 and 12 |
| -1 | Enter a month that’s too small | Error invalid month! please enter a month between 1 and 12 | Error invalid month! please enter a month between 1 and 12 |
| 13 | Entering a month that’s too big | Invalid month! please select a month between 1-12 | Invalid month! please select a month between 1-12 |
| 5 | Entering a valid month between 1-12 | Accepted | Accepted |
| 12 | Entering a valid month between 1-12 | Accepted | Accepted |

When Entering a birth day

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a number | Error invalid day! please enter a day between 1 and 31 | Error invalid day! please enter a day between 1 and 31 |
| Batman123 | Testing invalid input not a number with numbers | Error invalid day! please enter a day between 1 and 31 | Error invalid day! please enter a day between 1 and 31 |
| -1 | Enter a month that’s too small | Error invalid day! please enter a day between 1 and 31 | Error invalid day! please enter a day between 1 and 31 |
| 13 | Entering a month that’s too big | Error invalid day! please enter a day between 1 and 31 | Error invalid day! please enter a day between 1 and 31 |
| 5 | Entering a valid month between 1-12 | Accepted | Accepted |
| 12 | Entering a valid month between 1-12 | Accepted | Accepted |

When entering a health card number

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a number | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| Batman12 | Correct length not a number | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 123456789 | Number that’s too big | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 1234 | Number that’s too small | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 11111111 | Valid number | Accepted | Accepted |
| 12345678 | Valid Number | Accepted | Accepted |

When entering an admitted time

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a 24 hour time | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |
| Batman12 | Correct length not a number | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |
| 12345 | Correct length not correct format | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |
| 25:00 | Outside of time range | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |
| 24:00 | Outside of time range | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |
| 11:00 | Valid Time | Accepted | Accepted |
| 10:00 | Time before previous patient time | Error invalid time! Please enter in format 00:00 greater than the current time | Error invalid time! Please enter in format 00:00 greater than the current time |

When entering Main Symptoms

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing name | Works | Works |
| Batman123 | Testing name with number | Works | Works |
| &\*&&&&& | Testing symbols | Works | Works |

When entering category number

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| Batman123 | Testing name with number | Error category number! Please enter a category between 1-6 | Error category number! Please enter a category between 1-6 |
| 7 | Testing number too big | Error category number! Please enter a category between 1-6 | Error category number! Please enter a category between 1-6 |
| 0 | Testing number too small | Error category number! Please enter a category between 1-6 | Error category number! Please enter a category between 1-6 |
| 5 | Testing number in range valid | Accepted | Accepted |
| 4 | Testing number in range valid | Accepted | Accepted |
| 1 | Testing number at the beginning of range | Accepted | Accepted |

**Testing getting Next Patient 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| 2 | Get Next Patient | Next patient to be output | Next Patient is output |
| 2 | Get Next patient when there are no patients in the list | Error message that there are no patient in queue and reprints menu | Error message that there are no patient in queue and reprints menu |

Testing Changing Patient Category 3

Please enter health care number of patient you wish to change

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| batman | Testing invalid input not a number | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| Batman12 | Correct length not a number | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 123456789 | Number that’s too big | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 1234 | Number that’s too small | Error invalid health card number! please enter an 8 digit card number | Error invalid health card number! please enter an 8 digit card number |
| 11111111 | Valid number that has a patient associated with it. | Display’s patient Health ID and their current condition, prompt for new category | Display’s patient Health ID and their current condition, prompt for new category |
| 12345678 | Valid Number with no associated patient | patient with id 12345678 not found! Return to main menu | patient with id 12345678 not found! Return to main menu |

=================================================

(1) Critical and life-threatening, requires immediate care

(2) Critical, requires care very soon

(3) Serious, requires care soon

(4) Serious

(5) Non-serious

(6) Not a priority

Please enter new patient category

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Description** | **Expected** | **Actual** |
| Batman123 | Testing name with number | Error invalid category ID, please try again. Returns to asking user for health id again | Error invalid category ID, please try again. Returns to asking user for health id again |
| 7 | Testing number too big | Error invalid category ID, please try again. Returns to asking user for health id again | Error invalid category ID, please try again. Returns to asking user for health id again |
| 0 | Testing number too small | Error invalid category ID, please try again. Returns to asking user for health id again | Error invalid category ID, please try again. Returns to asking user for health id again |
| 5 | Testing number in range valid | Successfully changed patient category to 5 | Successfully changed patient category to 5 |
| 4 | Testing number in range valid | Successfully changed patient category to 4 | Successfully changed patient category to 4 |
| 1 | Testing number at the beginning of range | Successfully changed patient category to 1 | Successfully changed patient category to 1 |