**Testing for DHB Program**

Testing for file

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| Opens data file | Opens and reads the file in. |  |
| Information prints but keeps printing (looping) |
|  |
| Information prints once. |

Testing for welcome heading

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| Prints welcome | Print welcome and program does not break |  |
| Welcome prints and program continues to run |

Testing for searching for the NHI number and if the information prints

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “J9547Z”  Or  “H9176R”  Or  “W7700U” | Information for NHI number entered prints. |  |
| Information prints for the NHI number entered and program continues to run.  (Three examples to check that the NHI numbers in the file all work). |
| “ ” | If NHI number cannot be found, details are able to be entered |  |
| Information is able to be entered and saved to the file. |

Testing for the date entered (when NHI number is not found)

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “1983/08/4” | The program will reject the date and ask for it in the correct format. |  |
| The program rejected the date and asked for it in the dd-mm-yyyy format. |
| “4/08/1983” | The program will continue running. |  |
| The program continues to run. |

Testing for the address

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “N” | The program continues to run when N is entered. |  |
| When N is entered, the program continues to run. |
| “Y” | The new address is able to be entered and prints. |  |
| When Y is entered, the user is able to enter the new address and then this address is printed. |

Testing for age

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “J9547Z”  Or  “H9176R” | If the age is less than 16, the program will print that the patient is too young for the vaccine and the program stops running and will not ask about the first dose.  If the age is more than 16, the program will print that the patient is able to get the vaccine and program continues to run and ask about the first dose. |  |
| The correct statements are printed for the ages. |

Testing for if the patient has gotten the first dose

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “Y” | The date of the first dose will print. |  |
| The program broke (twice) |
|  |
| I fixed the program and the date of the first dose was printed. |
| “N” | The user will be informed that the patient is still eligible for two doses. |  |
| The statement to inform the user about the patient being elligible for two doses is printed. |

Testing for the second dose date

|  |  |  |
| --- | --- | --- |
| Possible Input | Expected Outcome | Actual Outcome |
| “Y” | A date 21 days from the first dose date will be printed. |  |
| A date for the second dose is printed, 21 days after the first dose date. |