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| **Name** | **Values/ Input** | **Expected outcome** | **Actual outcome** |
| Check when menu choice = 1 code runs | 1 | Enter new policy code runs | Enter new policy code runs |
| Check when menu choice = 2 code runs | 2 | Another menu appears asking user to select one of the files | Another menu appears asking user to select one of the files |
| Check when menu choice = 3 code runs | 3 | Another menu appears asking user to select one of the files | Another menu appears asking user to select one of the files |
| Check when menu choice = 4 code runs | 4 | Another menu appears asking user to select one of the files | Another menu appears asking user to select one of the files |
| Check when menu choice = 0 code stops | 0 | User can exit the menu | User can exit the menu |
| Check a number other then 1,2,3,4,0 is rejected | 5 | Error message appears: Please select an option from 0 - 4 | Error message appears: Please select an option from 0 - 4 |
| Check that if menu choice is left blank its rejected |  | Error message appears:  Please select an option from 0-4 | Error message appears:  Please select an option from 0-4 |
| Check that user enter a name between 1 and 20 characters | J smith | Name is accepted | Name is accepted |
| Check that name over 20 characters is rejected | Ethelbert John Harrington | Asked to enter a name between 1 and 20 characters | Asked to enter a name between 1 and 20 characters |
| Check that name under 1 characters is rejected |  | Asked to enter a name between 1 and 20 characters | Asked to enter a name between 1 and 20 characters |
| Check that reference number over 6 characters is rejected | DGF666TTD | Message saying that the reference number should be 6 characters long and asked to re-enter the reference number should appear | Message saying that the reference number should be 6 characters long and asked to re-enter the reference number appears |
| Check that reference number under 6 characters is rejected | T | Message saying that the reference number should be 6 characters long and asked to re-enter the reference number should appear | Message saying that the reference number should be 6 characters long and asked to re-enter the reference number appears |
| Check that reference number is in the correct format | RA345A | Reference number accepted | Reference number accepted |
| Check that reference number is rejected if in the incorrect format | 345RAA | Reference number rejected and asked to re-enter the reference number | Reference number rejected and asked to re-enter the reference number |
| Check that if reference number is blank its rejected |  | Error message appears:  Reference number should be 6 characters long (e.g.RA345A) | Error message appears:  Reference number should be 6 characters long (e.g.RA345A) |
| Check that a non-numerical number of items is rejected | a | Error message asking to enter a number should appear | Code crashes |
| Check that a non-numerical number of items is rejected | a | Error message asking to enter a number appears | Error message asking to enter a number appears |
| Check that number of items entered is above 0 | 0 | Error message appears asking for a number above 0 | Error message appears asking for a number above 0 |
| Check that number of items entered is shown as word in the output | 5 | Code moves on and output shows 5 as the word five | Code moves on and output shows 5 as the word five |
| Check that if number of items entered is greater than 5. The output shows a rejection message | 10 | Code moves on and output shows a rejection message: The quantity of gadgets is bigger than 5 therefore this claim is rejected | Error message appears: Please enter a number. Try again |
| Check that if number of items entered is greater than 5. The output shows a rejection message | 10 | Code moves on and output shows a rejection message: The quantity of gadgets is bigger than 5 therefore this claim is rejected | Code moves on and output shows a rejection message: The quantity of gadgets is bigger than 5 therefore this claim is rejected |
| Checks that the excess entered doesn’t accept non numbers | d | Error message should be displayed: Please enter a number | Code crashes |
| Checks that the excess entered doesn’t accept non numbers | d | Error message should be displayed: Please enter a number | Error message should be displayed: Please enter a number |
| Checks that the excess entered is between 30 and 70 | 40 | Code moves on and output displays excess as 40 | Code moves on and output displays excess as 40 |
| Check that excess under 30 is rejected | 20 | Message appears asking for a value between 30 and 70 | Message appears asking for a value between 30 and 70 |
| Check that excess over 70 is rejected | 100 | Message appears asking for a value between 30 and 70 | Message appears asking for a value between 30 and 70 |
| Check that 1 or 2 is accepted for term | 1 | Code moves on and output displays annual for term and annual premium | Code moves on and output displays annual for term and annual premium |
| Check that if a number greater than 2 is entered for term, it is rejected | 3 | Message asking for either 1 or 2 to be entered | Message asking for either 1 or 2 to be entered |
| Check that if a number less than 1 is entered for term, it is rejected | 0 | Message asking for either 1 or 2 to be entered | Message asking for either 1 or 2 to be entered |
| Check that a non-numerical value for term is rejected | e | Error message appears asking for either 1 or 2 to be entered | Code crashes |
| Check that a non-numerical value for term is rejected | e | Error message appears: Please enter either 1 for Annual or 2 for Monthly | Error message appears: Please enter either 1 for Annual or 2 for Monthly |
| Check that if value of most expensive item is 0. Its rejected | 0 | Message appears: value rejected. Please enter a value above 0. | Message appears: value rejected. Please enter a value above 0. |
| Check that if value of most expensive item is between 1 and 550. Output shows limit as 550 | 100 | Value accepted and output shows limit as 550 | Value accepted and output shows limit as 550 |
| Check that if the value of most expensive item is over 1000, its rejected | 1001 | Code moves on and output shows a rejection message: The most expensive item is greater than 1000 therefore this has been rejected | Code moves on and output shows a rejection message: The most expensive item is greater than 1000 therefore this has been rejected |
| Check that if value of most expensive item is between 551 and 800. Output shows limit as 800 | 600 | Value accepted and output shows limit as 800 | Value accepted and output shows limit as 800 |
| Check that if value of most expensive item is between 801 and 1000. Output shows limit as 1000 | 900 | Value accepted and output shows limit as 1000 | Value accepted and output shows limit as 1000 |
| Check that a non-numerical value of most expensive item is rejected | u | Error message appears asking for a number | Code crashes |
| Check that a non-numerical value of most expensive item is rejected | u | Error message appears asking for a number | Error message appears asking for a number |
| Check that premium is calculated correctly | Values will have already been entered in the system | Code runs and displays premium using values inputted in the system | Code runs and displays premium using values inputted in the system |
| Check when file menu = 1 code runs | 1 | Uses the archive file to get values for total number of lines, average number of items, average monthly premium and number of policies per month | Uses the archive file to get values for total number of lines, average number of items, average monthly premium and number of policies per month |
| Check when file menu = 2 code runs | 2 | Uses the policy file to get values for total number of lines, average number of items, average monthly premium and number of policies per month | Uses the policy file to get values for total number of lines, average number of items, average monthly premium and number of policies per month |
| Check when file menu = 0 code stops | 0 | User can exit the menu and code stops | User can exit the menu and code stops |
| Check that any number other than 1,2,0 is rejected | 4 | Error message appears:  Please select an option from 0 - 2 | Error message appears: Please select an option from 0 - 2: |
| Check that if file menu is left blank its rejected |  | Error message appears:  Please select an option from 0 - 2 | Error message appears:  Please select an option from 0 - 2 |
| Check that user can enter a month | Jan | Displays total number of lines, average number of items, average month premium | Displays total number of lines, average number of items, average month premium |
| Check that when the user choose a selected month they cannot enter a word other than a month | dog | Error message appears asking user for a month | Error message appears asking user for a month |
| Check that user cannot enter a number instead of a month | 3 | Error message appears asking user for a month | Error message appears asking user for a month |
| Check that error message appears if month is left blank |  | Error message appears asking user for a month | Error message appears asking user for a month |
| Check that search works | John | Shows all outputs with the word John in | Shows all outputs with the word John in |
| Check that main menu reappears after each choice until user enters 0 | Values will depend on choice selected at main menu | Code runs for choice selected and displays output. After main menu reappears for user to enter next choice | Code runs for choice selected and displays output. After main menu reappears for user to enter next choice |
| Policy Class Method Set Name | N Fish | The name should be saved in to the policy file and the code should move on | The name is saved in to the policy file and the code moves on |
| Policy Class Method Set Reference Number | HT765Y | The reference number should be saved in to the policy file and the code should move on | The reference number is saved in to the policy file and the code moves on |
| Policy Class Method Set Term | 1 | The term should be saved in to the policy file and the code should move on | The term is saved in to the policy file and the code moves on |
| Policy Class Method Set Excess | 60 | The excess should be saved in to the policy file and the code should move on | The excess is saved in to the policy file and the code moves on |
| Policy Class Method Set Value | 800 | The value should be saved in to the policy file and the code should move on | The value is saved in to the policy file and the code moves on |
| Policy Class Method Set Premium | No premium values entered by user | The premium should be saved in to the policy file and the code should move on | The premium is saved in to the policy file and the code moves on |

### Key:

Red = Test didnt work

Green = Test was repeated and fixed