**Test Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Client name test requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| First name input | “Musa” | M | Musa | Yes |
| Last name input | “Hamwala” | HAMWALA | HAMWALA | No |
| First name length (20 max) | Christophechristopher | Message displayed (“Name must be a maximum of 20 characters: Please enter name: ”) | Name must be a maximum of 20 characters: Please re-enter name: | No |
| Last name length (20 max) | Christophechristopher | Message displayed (“Name must be a maximum of 20 characters: Please enter name: ”) | Name must be a maximum of 20 characters: Please re-enter name: | No |
| First name Uppercase | “Musa” | “M” | “M” | No |
| Last name Uppercase | “Hamwala” | “HAMWALA” | “HAMWALA” | No |
| Corrections | | | | |
| First Name input | “Musa” | “M” | “M” | I used charAt fucnction to selct the first index |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Reference number test requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| Reference number length (must be 6 characters long) | “JHFBN” | Message displayed: Invalid reference number, should be 6 characters long! | Logs value and moves on | Yes |
| Reference number format | “123456” | Message displayed (“Ref number should follow this format ‘LLDDDL’ L = Letter and D = Digit: ”) | Logs value and moves on | Yes |
| Reference number case sensitive (should be uppercase) | “re567h” | Prints all characters uppercase: RE567H | re567h | Yes |
| Corrections | | | | |
| Reference number length (lower bound test)) | “JHFBN” | Message displayed: Invalid reference number, should be 6 characters long! | Message displayed: Invalid reference number, should be 6 characters long! | No |
| Reference number length (higher bound test) | “JHFBNFGH” | Message displayed: Invalid reference number, should be 6 characters long! | Message displayed: Invalid reference number, should be 6 characters long! | No |
| Reference number length (testing 6 charecters) | “JHFBNF” | Logs value and moves on | Logs value and moves on | No |
| Reference number format | “123456” | Message displayed (“Ref number should follow this format ‘LLDDDL’ L = Letter and D = Digit: ”) | Message displayed (“Ref number should follow this format ‘LLDDDL’ L = Letter and D = Digit: ”) | No |
| Reference number format | “GH567H” | Logs value and moves on | Logs value and moves on | No |
| Reference number case sensitive (should be uppercase) | “re567h” | Prints all characters uppercase: RE567H | RE567H: returns reference number uppercase! | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of Items test requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| Number of items input | 100 | Logs value and moves on | Logs value and moves on | None required |
| Number of items (within range 1-5) | 3 | Logs value and moves on | Logs value and moves on | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of gadgets test requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| Number of gadgets input | -1 | Gadget value must be or be in-between 1-1000 policy should be rejected | Logs value and moves on | No |
| Number of gadgets input | 10,000 | Exceeded max gadget value: policy should be rejected | Logs value and moves on | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Excess choice test requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| Input excess amount (lower bound) | 10 | Display message and prompt user to enter an amount between £30 and £70 incrementing by 10. | Logs value and moves on | Yes |
| Input excess amount (higher bound) | 80 | Display message and prompt user to enter an amount between £30 and £70 incrementing by 10. | Logs value and moves on | Yes |
| Input excess (values in between 30 and 70) | 34 | Display message and prompt user to enter an amount between £30 and £70 incrementing by 10. | Logs value and moves on | Yes |
| Corrections | | | | |
| Input excess amount (lower bound) | 10 | Display message and prompt user to enter an amount between £30 and £70. | Message displayed: “Excess amount must be between £30 and 70, please re-enter: “ | No |
| Input excess amount (higher bound) | 80 | Display message and prompt user to enter an amount between £30 and £70. | Message displayed: “Excess amount must be between £30 and 70, please re-enter: “ | No |
| Input excess amount (higher bound) | 30 | Logs excess amount and moves on | Logs excess amount and moves on | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Payment terms requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| Choice input (lowercase a) | “a” | Logs value and selects returns the choice as annual payment | Logs value and selects returns the choice as annual payment | No |
| Choice input (Uppercase Al) | “A” | Logs value and selects returns the choice as annual payment | Logs value and selects returns the choice as annual payment | No |
| Choice input (lowercase m) | “m” | Logs value and selects returns the choice as Monthly payment | Logs value and selects returns the choice as Monthly payment | No |
| Choice input (Uppercase M) | “M” | Logs value and selects returns the choice as Monthly payment | Logs value and selects returns the choice as Monthly payment | No |
| Choice input (invalid number input) | “1” | Invalid choice please enter [A:] for annual or [M:] for monthly: | Invalid choice please enter [A:] for annual or [M:] for monthly: | No |
| Choice input (invalid letter input) | “m” | Invalid choice please enter [A:] for annual or [M:] for monthly: | Invalid choice please enter [A:] for annual or [M:] for monthly: | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Payment requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| If statement check (if choice == “A” or “a” | n/a | Go inside statement and calculate annual finalPremium | Goes inside statement and calculate annual finalPremium | No |
| If statement check (if choice == “M” or “m” | n/a | Go inside statement and calculate monthly finalPremium | Goes inside statement and calculate monthly finalPremium | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prices requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| If statement check (if numItems  <= “1” | n/a | Go inside statement and assigns price for 550, 800 and 1000 gadget price | Go inside statement and assigns price for 550, 800 and 1000 gadget price | None needed (correct calculation!) |
| If statement check (if gadget  <= “550” | n/a | Go inside statement and assigns price to 4.99 | Go inside statement and assigns price to 4.99 | None needed (correct calculation!) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **excessPremium requirements** | | | | |
| Name | Values / Input | Expected outcome | Actual outcome | Corrections needed? |
| If excess == 40 | n/a | Go inside statement and calculate 5% of the price and assign it to totalPremium | Goes inside statement and calculate 5% of the price and assign it to totalPremium | None needed (correct calculation!) |
| If excess == 50 | n/a | Go inside statement and calculate 10% of the price and assign it to totalPremium | Goes inside statement and calculate 10% of the price and assign it to totalPremium | None needed (correct calculation!) |
| If excess == 60 | n/a | Go inside statement and calculate 15% of the price and assign it to totalPremium | Goes inside statement and calculate 15% of the price and assign it to totalPremium | None needed (correct calculation!) |
| If excess == 70 | n/a | Go inside statement and calculate 5% of the price and assign it to totalPremium | Goes inside statement and calculate 5% of the price and assign it to totalPremium | None needed (correct calculation!) |
| If excess == 30 | n/a | Returns totalPremium | Returns totalPremium | None needed |