# 91896 - L2 Testing Evidence

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| **Test data** | **Expected results** | **Actual results** |
| Order Type: 1 | Prints “You have chosen to have your order delivered to your door!”  Moves onto name |  |
| Order Type: 2 | Prints “You have chosen to click and collect your order from our factories!  Moves onto name |  |
| zOrder Type: 0 | Prints “Please enter a number between 1 and 2” – asks for input again |  |
| Order Type: 3 | Prints “Please enter a number between 1 and 2” – asks for input again |  |
| Order Type: 9 | Prints “Please enter a number between 1 and 2” – asks for input again |  |
| Order Type: cat | Prints “This is not a valid number”.  Prints “Please enter a number between 1 and 2” – asks for input again |  |
| Order Type: 1  Name: Denz | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Moves on to asking for phone number” |  |
| Order Type: 1  Name: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Input must only contain letters” – disallows blank inputs  Asks for name again |  |
| Order Type: 1  Name: (numbers) | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Input must only contain letters” – disallows blank inputs  Asks for name again |  |
| Order Type: 1  Name: Denz  Phone Number: 1234567890 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Asks for house number |  |
| Order Type: 1  Name: Denz  Phone Number: 1234567 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Asks for house number |  |
| Order Type: 1  Name: Denz  Phone Number: 123456 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “NZ phone numbers have between 7-10 digits”  Asks for phone number |  |
| Order Type: 1  Name: Denz  Phone Number: 12345678901 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “NZ phone numbers have between 7-10 digits”  Asks for phone number |  |
| Order Type: 1  Name: Denz  Phone Number: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “Please only enter integers!”  Asks for phone number |  |
| Order Type: 1  Name: Denz  Phone Number: cat | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “Please only enter integers!”  Asks for phone number |  |
| Order Type: 2  Name: Denz  Phone Number: 1234567890 | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Proceeds to show catalog |  |
| Order Type: 2  Name: Denz  Phone Number: 1234567 | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Proceeds to show catalog |  |
| Order Type: 2  Name: Denz  Phone Number: 123456 | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “NZ phone numbers have between 7-10 digits”  Asks for phone number |  |
| Order Type: 2  Name: Denz  Phone Number: 12345678901 | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “NZ phone numbers have between 7-10 digits”  Asks for phone number |  |
| Order Type: 2  Name: Denz  Phone Number: <blank> | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “Please only enter integers!”  Asks for phone number |  |
| Order Type: 2  Name: Denz  Phone Number: cat | Prints “You have chosen to click and collect your order from our factories!”  Asks for Name  Prints “Denzelle”  Asks for phone number  Prints “Please only enter integers!”  Asks for phone number |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 213 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “213”  Asks for street name |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 213a | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “213A”  Asks for street name |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “The input you provide cannot be blank”  Asks for house number |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among Us | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for suburb |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among u6 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Input must only contain letters”  Asks for street name input again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Input must only contain letters”  Asks for street name input again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: 123456 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Input must only contain letters”  Asks for street name input again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among Us  Suburb: Flat Bush | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for suburb  Prints “Flat Bush”  Prints catalog of items for sale |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Suburb: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for suburb  Prints “Input must only contain letters”  Asks for input for suburb again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Suburb: 123456 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for suburb  Prints “Input must only contain letters”  Asks for input for suburb again |  |
| How many merch items: 1-15 | Asks how many merch items you wish to order  Prints “Please choose your merchandise items by entering the number on the menu:”  Goes through input ‘x’ times  After each input, program prints the number that corresponds to the item, and the item name + price  Goes on to print customer details, order details, and total cost |  |
| How many merch items: <blank> | Asks how many merch items you wish to order  Prints “Please choose your merchandise items by entering the number on the menu:”  If input blank – prints “That is not a valid number, Enter a number between 1 and 15”  Asks for user input again |  |
| How many merch items: 0 | Asks how many merch items you wish to order  Prints “Please choose your merchandise items by entering the number on the menu:”  If input = 0 – prints “Enter a number between 1 and 15”  Asks for user input again |  |

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| How many merch items: 17 | Asks how many merch items you wish to order  Prints “Please choose your merchandise items by entering the number on the menu:”  If input >= 15 – prints “Enter a number between 1 and 15”  Asks for user input again |  |
| How many merch items: cat | Asks how many merch items you wish to order  Prints “Please choose your merchandise items by entering the number on the menu:”  If input = alphabetic character – prints “That is not a valid number, Enter a number between 1 and 15”  Asks for user input again |  |
| Choose merch items from menu:  1-13 | Prints the details of the chosen merch item (item name, price)  Goes on to print customer details, order details, and total cost + inclu delivery charge if applicable |  |
| Choose merch items from menu:  <blank> | Prints “this is not a valid number”.  Prints “Please enter number between 1 and 13”  Asks for input again |  |
| Choose merch items from menu:  0 | Prints “Please enter number between 1 and 13”  Asks for input again |  |
| Choose merch items from menu:  14 | Prints “Please enter number between 1 and 13”  Asks for input again |  |
| Choose merch items from menu:  cat | Prints “this is not a valid number”.  Prints “Please enter number between 1 and 13”  Asks for input again |  |
| Merch items counts through correct number of Merch items | Prints correct index number with merch item chosen  Goes on to print customer details, order details, and total cost + delivery charge (if applicable) |  |
| Correct merch items and price print as they are ordered | Prints correct merch item with correct pricing.  Goes on to print customer details, order details, and total cost of the order |  |
| Correct customer details are printed | Prints customer details correctly  Goes on to ask if you wish want to confirm the order, or cancel it |  |
| Correct merch items are ordered | Prints the laptops that have been chosen for the order.  Prints out the total cost of all the items  Asks for input if you wish to confirm, or cancel the order |  |
| Total cost is correct | Prints total cost of items Prints delivery charge (if applicable, items ordered are between 1 and 4 items)  Prints total cost including delivery charge |  |
| Delivery charge is shown and added to the total cost if items are less than 5 | Prints total cost of items Prints delivery charge (if applicable, items ordered are between 1 and 4 items)  Prints total cost including delivery charge |  |
| Confirm Order: 1 | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT |  |
| Confirm Order: 2 | Prints “Your merch order has been cancelled” “You can restart your merch order or exit the BOT”  Asks user if they wish to place another order, or exit the BOT |  |
| Confirm Order: <blank> | Prints “That is not a valid number” “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Order: 0 | Prints “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Order: 3 | Prints “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Order: cat | Prints “That is not a valid number” “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Order: 1  Start new order: 1 | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “New Order”  Restarts program |  |
| Confirm Order: 1  Start new order: 2 | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “If your order was for Click & Collect, you will receive a text message from our factories soon!”  Prints “Exit”  Ends Program |  |
| Confirm Order: 1  Start new order: <blank> | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “This is not a valid number”  Prints “Enter a number between 1 and 2”  Asks for input again |  |
| Confirm Order: 1  Start new order: 0 | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “Enter a number between 1 and 2”  Asks for input again |  |
| Confirm Order: 1  Start new order: 3 | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “Enter a number between 1 and 2”  Asks for input again |  |
| Confirm Order: 1  Start new order: cat | Prints “Your merch order has been confirmed” “Your merch order will be with you soon!”  Asks user if they wish to place another order, or exit the BOT  Prints “This is not a valid number”  Prints “Enter a number between 1 and 2”  Asks for input again |  |
| Check that lists have been cleared for new transaction | Program should restart and have no information in the first box |  |
| Start new order: 2  Check that program exits | Prints “exit”  Prints “If your order was for Click & Collect, you will receive a text message from our factories soon!”  Program stops |  |

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| **Post Program fixes:** | | |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Street Type: Us | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among”  Asks for Street Type  Prints “Us”  Asks for suburb |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Street Type: U5 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for street type  Prints “Input must only contain letters”  Asks for input for street type again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Street Type: 4133 | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for street type  Prints “Input must only contain letters”  Asks for input for street type again |  |
| Order Type: 1  Name: Denz  Phone Number: 123456789  House Number: 23  Street Name: Among  Street Type: <blank> | Prints “You have chosen to have your order delivered to your door!”  Asks for Name  Prints “Denzelle”  Asks for phone number.  Prints “123456789”  Asks for house number  Prints “23”  Asks for street name  Prints “Among Us”  Asks for street type  Prints “Input must only contain letters”  Asks for input for street type again |  |
| Correct customer details are printed | Prints customer details correctly  Goes on to ask if you wish want to confirm the order, or cancel it |  |
| Confirm Details: 1 | Prints “Your details have been confirmed with us!”  Proceeds with code, prints out menu |  |
| Confirm Details: 2 | Restarts the bot from beginning |  |
| Confirm Details: <blank> | Prints “That is not a valid number” “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Details: 0 | Prints “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Details: 3 | Prints “Enter a number between 1 and 2”  Asks user for input again |  |
| Confirm Details: cat | Prints “That is not a valid number” “Enter a number between 1 and 2”  Asks user for input again |  |

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| **Below - List Bugs and/or Improvements found as a result of testing** | | |
| Accepts numbers for street name  Street Name – 0312312  Street name – Fimbong | Fixed this by adding in the string checker to ensure that the input is only letters  Prints “Input must only contain letters  Asks for input again  Prints “fimbong” |  |
| Accepts numbers for name  Name – 5kdr  Name – fimbong | Fixed this by adding in the string checker to ensure that the input is only letters  Prints “Input must only contain letters  Asks for input again  Prints “Fimbong” |  |
| Accepts numbers for suburb  Suburb – 70’s manukau  Suburb - bombacious | Fixed this by adding in the string checker to ensure that the input is only letters  Prints “Input must only contain letters  Asks for input again  Prints “Bombacious” |  |
| Accepts any string as a phone number  Phone Number – 012321  Phone number - 012345678 | Fixed this by adding the phone number validator. This ensures that the phone number provided is between 7 to 10 digits long – standard phone number length for NZ numbers. However it omits the 0 at the front of the phone number, so a phone number such as 0211690403 becomes 211690403  Prints “NZ phone numbers have between 7 and 10 digits”  Asks for input again  Prints 12345678 |  |

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| Accepted ‘spacebar’ for name, phone and address (name and type)  Name –  Phone number –  House Number–  Street Name –  Street Type –  Suburb – | Fixed this by using the string checker which makes it so it only allows letter inputs and a phone number validator which only allows integer inputs. However, this means that no spaces can be used between the words in the street name or suburb. There is a work around for street name, by making a new input asking for the street type (Drive, Avenue, Place Street) you can get the full address of the customer.    Prints “Input must only contain Letters”.  Asks for input again.  Prints “Please enter a number”  Asks for input again  Prints “Input cannot be blank”  Asks for input again  Prints “Input must only contain Letters”.  Asks for input again.  Prints “Input must only contain Letters”.  Asks for input again.  Prints “Input must only contain Letters”.  Asks for input again. |  |
| Accepted Letters in the phone number  Phone Number – Denzelle is the coolest  Phone Number - 01231231 | Fixed this by adding a phone number validator. Only allows numbers in it  Prints “Please only enter numbers!”  Asks for input again  Prints “1231231” |  |
| Not controlled number of digits in New Zealand Phone Number  Phone Number – 012321  Phone number - 012345678 | Fixed this by adding the phone number validator. This ensures that the phone number provided is between 7 to 10 digits long – standard phone number length for NZ numbers. However it omits the 0 at the front of the phone number, so a phone number such as 0211690403 becomes 211690403  Prints “NZ phone numbers have between 7 and 10 digits”  Asks for input again  Prints 12345678 |  |
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Achieved - expected inputs 1 or 2 – 0 or 3

Merit – Boundary 0 or 3 pizza menu 1 and 12 - 0 and 13

Excellence invalid – blank or letter rather than a number blank -special character