Log File

**TEST CASE 1: Implementing product class.**

ibrahimharunurrashid@dyna220-120 src code % java Main.java

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

**Note**: All products are being displayed. So product class is successfully implemented.

**TEST CASE 2: Testing cash payment.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

1

Added: Milk - $2.99

-1

------ YOUR ORDER ------

Subtotal: $2.99

Tax: $.45

Total: $3.44

Do you have a loyalty card? (yes/no): no

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Cash

Processing Cash payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Milk: $2.99

Subtotal: $2.99

Tax: $0.45

Total: $3.44

Thank you for shopping with us!

Note: Cash payment success.

**TEST CASE 3: Testing debit payment.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

5

Added: Cereal - $4.49

-1

------ YOUR ORDER ------

Subtotal: $4.49

Tax: $.67

Total: $5.16

Do you have a loyalty card? (yes/no): no

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Debit

Processing Debit card payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Cereal: $4.49

Subtotal: $4.49

Tax: $0.67

Total: $5.16

Thank you for shopping with us!

Note: Debit payment success.

**TEST CASE 4: Testing credit payment.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

2

Added: Bread - $1.49

-1

------ YOUR ORDER ------

Subtotal: $1.49

Tax: $.22

Total: $1.71

Do you have a loyalty card? (yes/no): no

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Credit

Processing Credit card payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Bread: $1.49

Subtotal: $1.49

Tax: $0.22

Total: $1.71

Thank you for shopping with us!

Note: Credit payment success

**TEST CASE 5: Invalid payment method.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

1

Added: Milk - $2.99

-1

------ YOUR ORDER ------

Subtotal: $2.99

Tax: $.45

Total: $3.44

Do you have a loyalty card? (yes/no): no

Enter your payment method (Debit, Credit, Cash, Loyalty Card): 5665hd

Invalid payment method. Please choose a valid option.

Transaction failed. Please enter a valid payment method

Enter your payment method (Debit, Credit, Cash, Loyalty Card): cash

Processing Cash payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Milk: $2.99

Subtotal: $2.99

Tax: $0.45

Total: $3.44

Thank you for shopping with us!

**Note: when the user add the invalid payment method the system return a message that the payment method is invalid and ask the user for the valid payment method, it goes on until user put a valid payment method.**

**TEST CASE 7: Returning a product.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

2

Please enter the Serial number of the item you want to return (-1 to finish):

1

Return processed successfully.

amount returned: $2.99

2

Return processed successfully.

amount returned: $1.49

-1

Total amount returned: $4.48.

Note: Returning a product successful.

**TEST 8: Enrolling in loyalty program.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

3

Please enter a unique card number you want to have:

12345

Please enter a unique code you want to have:

234

You have successfully joined the loyalty program.

Note: Enrolling to a new program successful.

**TEST CASE 9: Purchasing a product without loyalty card.**

ibrahimharunurrashid@dyna220-120 src code % java Main.java

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

45

Added: Dishwasher Liquid - $4.79

23

Added: Dish soap - $1.79

65

Invalid serial number. Please try again.

43

Added: Canned Vegetable - $0.99

2

Added: Bread - $1.49

1

Added: Milk - $2.99

-1

------ YOUR ORDER ------

Subtotal: $12.05

Tax: $1.81

Total: $13.86

Do you have a loyalty card? (yes/no): no

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Cash

Processing Cash payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Dishwasher Liquid: $4.79

Dish soap: $1.79

Canned Vegetable: $0.99

Bread: $1.49

Milk: $2.99

Subtotal: $12.05

Tax: $1.81

Total: $13.86

Thank you for shopping with us!

Note: Moves on to payment procedure if said no. Payment without loyalty card successful.

**Test case 10: Purchasing a product with a loyalty card.**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

2

Added: Bread - $1.49

3

Added: Eggs - $2.29

4

Added: Butter - $3.99

5

Added: Cereal - $4.49

6

Added: Pasta - $1.19

7

Added: Rice - $2.79

-1

------ YOUR ORDER ------

Subtotal: $16.24

Tax: $2.44

Total: $18.68

Do you have a loyalty card? (yes/no): yes

Enter your loyalty card number: 78980

Enter the unique code on your card: 22

Points added to your loyalty card: 18

Total points in your account: 18

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Invalid payment method. Please choose a valid option.

Transaction failed. Please enter a valid payment method

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Cash

Processing Cash payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Bread: $1.49

Eggs: $2.29

Butter: $3.99

Cereal: $4.49

Pasta: $1.19

Rice: $2.79

Subtotal: $16.24

Tax: $2.44

Total: $18.68

Thank you for shopping with us!

**TEST CASE 11: Testing invalid loyalty card**

Welcome to the Wolfville store

Please select between our 3 options

1 -- to buy and checkout

2 -- to Return

3 -- to join our Special program

Enter your choice (1, 2 or 3):

1

Available Products:

Serial Number: 1, Name: Milk, Price: $2.99

Serial Number: 2, Name: Bread, Price: $1.49

Serial Number: 3, Name: Eggs, Price: $2.29

Serial Number: 4, Name: Butter, Price: $3.99

Serial Number: 5, Name: Cereal, Price: $4.49

Serial Number: 6, Name: Pasta, Price: $1.19

Serial Number: 7, Name: Rice, Price: $2.79

Serial Number: 8, Name: Chicken, Price: $5.99

Serial Number: 9, Name: Ground Beef, Price: $4.49

Serial Number: 10, Name: Cheese, Price: $3.79

Serial Number: 11, Name: Yoghurt, Price: $1.99

Serial Number: 12, Name: Frozen Pizza, Price: $6.99

Serial Number: 13, Name: Coffee, Price: $7.49

Serial Number: 14, Name: Tea Bags, Price: $3.29

Serial Number: 15, Name: Canned Soup, Price: $1.79

Serial Number: 16, Name: Peanut Butter, Price: $2.59

Serial Number: 17, Name: Jelly, Price: $2.19

Serial Number: 18, Name: Spaghetti Sauce, Price: $2.49

Serial Number: 19, Name: Toilet Paper, Price: $6.99

Serial Number: 20, Name: Shampoo, Price: $3.99

Serial Number: 21, Name: Toothpaste, Price: $1.99

Serial Number: 22, Name: Laundry Detergent, Price: $7.49

Serial Number: 23, Name: Dish soap, Price: $1.79

Serial Number: 24, Name: Paper Towels, Price: $5.49

Serial Number: 25, Name: Toothbrush, Price: $2.29

Serial Number: 26, Name: Socks, Price: $4.99

Serial Number: 27, Name: Garbage Bags, Price: $8.99

Serial Number: 28, Name: Aluminium Foil, Price: $2.99

Serial Number: 29, Name: Plastic Wrap, Price: $1.49

Serial Number: 30, Name: Canned Tuna, Price: $0.99

Serial Number: 31, Name: Olive Oil, Price: $4.99

Serial Number: 32, Name: Vinegar, Price: $1.29

Serial Number: 33, Name: Peanuts, Price: $3.49

Serial Number: 34, Name: Chocolate Bars, Price: $1.79

Serial Number: 35, Name: Potato Chips, Price: $2.99

Serial Number: 36, Name: Coca-Cola, Price: $2.99

Serial Number: 37, Name: Mineral Water, Price: $3.49

Serial Number: 38, Name: Lemonade, Price: $2.29

Serial Number: 39, Name: Ketchup, Price: $2.49

Serial Number: 40, Name: Mustard, Price: $1.29

Serial Number: 41, Name: Salad Dressing, Price: $1.99

Serial Number: 42, Name: Mayonnaise, Price: $2.79

Serial Number: 43, Name: Canned Vegetable, Price: $0.99

Serial Number: 44, Name: Instant Noodles, Price: $0.79

Serial Number: 45, Name: Dishwasher Liquid, Price: $4.79

Serial Number: 46, Name: Cleaning wipes, Price: $3.49

Serial Number: 47, Name: Hand Sanitizer, Price: $2.99

Serial Number: 48, Name: Tissues, Price: $1.29

Serial Number: 49, Name: Dental Floss, Price: $1.99

Serial Number: 50, Name: Wiper Fluid, Price: $3.99

Select items to add to the cart (enter serial number, -1 to finish):

34

Added: Chocolate Bars - $1.79

45

Added: Dishwasher Liquid - $4.79

23

Added: Dish soap - $1.79

-1

------ YOUR ORDER ------

Subtotal: $8.37

Tax: $1.26

Total: $9.63

Do you have a loyalty card? (yes/no): yes

Enter your loyalty card number: 12345

Enter the unique code on your card: 32

Invalid loyalty card details. Points not added.

Enter your payment method (Debit, Credit, Cash, Loyalty Card): Invalid payment method. Please choose a valid option.

Transaction failed. Please enter a valid payment method

Enter your payment method (Debit, Credit, Cash, Loyalty Card): cash

Processing Cash payment...

Transaction completed.

------ RECEIPT ------

Welcome to Wolfville Store

Chocolate Bars: $1.79

Dishwasher Liquid: $4.79

Dish soap: $1.79

Subtotal: $8.37

Tax: $1.26

Total: $9.63

Thank you for shopping with us!

Note: Handles exception successfully