**Instructions to enter Inputs for promotion engine.**

1. Considered Console application for user interface.
2. Inputs are considered to enter correct values from User.
3. Not handled invalid inputs due to time constraint.

Please find below sample to provide inputs for running Promotion engine.

Sample : Considered example as per the attached document from problem statement

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Enter number of SKU Id's: 4 <<Total number of units and its fixed price >>

Enter 1 SKU unit name (Eg. A of type char): A <<Need to enter one char value>>

Enter A unit value : 50 <<Enter integer value for respective units>>

Enter 2 SKU unit name (Eg. A of type char): B

Enter B unit value : 30

Enter 3 SKU unit name (Eg. A of type char): C

Enter C unit value : 20

Enter 4 SKU unit name (Eg. A of type char): D

Enter D unit value : 15

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Choose one from below mentioed options

1: Add Units

2: Add Promotions

3: Buy Products

4: Display Units/Promotions

5: Exit

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2

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Enter number of Promotions to be applied: 3 <<Total number of promotions and its respective value >>

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Enter total of 3 Promotions

Enter 1 Promotion : <<Enter first promotion>>

Enter number of units to apply promotion separated by space

Eg. For C & D for 30, enter units as C D.

For 3 A's for 130, enter as A

A <<Enter Unit or combination of unit with space separation>>

Enter number of units for A : 3 <<Enter number of units for promotion>>

Enter Promotion value : 130 <<Enter promotion value for number units(3\*A)>>

Enter 2 Promotion : <<Enter second promotion>>

Enter number of units to apply promotion separated by space

Eg. For C & D for 30, enter units as C D.

For 3 A's for 130, enter as A

B

Enter number of units for B : 2

Enter Promotion value : 45

Enter 3 Promotion : <<Enter third promotion>>

Enter number of units to apply promotion seperated by space

Eg. For C & D for 30, enter units as C D.

For 3 A's for 130, enter as A

C D

Enter number of units for C : 1

Enter number of units for D : 1

Enter Promotion value : 30

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Choose one from below mentioed options

1: Add Units

2: Add Promotions

3: Buy Products

4: Display Units/Promotions

5: Exit

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4 <<Option to display units/promotions entered by user>>

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Entered Units and their respective price

A - 50

B - 30

C - 20

D - 15

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Entered Promotions respective price

For 3 Units of A

Promotion Value : 130

For 2 Units of B

Promotion Value : 45

For 1 Units of C

For 1 Units of D

Promotion Value : 30

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Choose one from below mentioned options

1: Add Units

2: Add Promotions

3: Buy Products

4: Display Units/Promotions

5: Exit

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3

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Enter total number of products to buy :3 <<Enter number of units to buy>>

Enter total number of units and unit name to buy without space: <<Enter first product>>

Eg. 1\*A

1\*A

Enter total number of units and unit name to buy without space: <<Enter second product>>

Eg. 1\*A

1\*B

Enter total number of units and unit name to buy without space: <<Enter third product>>

Eg. 1\*A

1\*C

----Calculate Scenarios-----

----Without Promotions-----

1\*A is 50

1\*B is 30

1\*C is 20

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Total 100 <<Total value of products>>

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Choose one from below mentioned options

1: Add Units

2: Add Promotions

3: Buy Products

4: Display Units/Promotions

5: Exit

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3

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Enter total number of products to buy :3

Enter total number of units and unit name to buy without space:

Eg. 1\*A

5\*A

Enter total number of units and unit name to buy without space:

Eg. 1\*A

5\*B

Enter total number of units and unit name to buy without space:

Eg. 1\*A

1\*C

----Calculate Scenarios-----

----Without Promotions-----

1\*A is 50

1\*B is 30

1\*C is 20

----Calculate Scenarios-----

Promotion Applied 3\*A

Promotion Value 130

Promotion Applied 2\*B

Promotion Value 45

Promotion Applied 2\*B

Promotion Value 45

----Without Promotions-----

2\*A is 100

1\*B is 30

1\*C is 20

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Total 370

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Choose one from below mentioned options

1: Add Units

2: Add Promotions

3: Buy Products

4: Display Units/Promotions

5: Exit

5