Baselines:

```
Enter choice: 6

Current Inventory:

Item ID: 1
    Description: Rose
    Stock: 3

Item ID: 23
    Description: Daisy
    Stock: 4

Item ID: 8
    Description: Snapdragon
    Stock: 5

Item ID: 3
    Description: Violet
    Stock: 6

Item ID: 66
    Description: Cactus
    Stock: 7
```

```
Enter choice: 7

Customers:

Customer ID: 23
    Name: Jeff
    Address: Main St
    Orders:
Customer ID: 26
    Name: Jeffrey
    Address: Maine Street
    Orders:
Customer ID: 50
    Name: Joeffrey
    Address: Maine St
    Orders:
```

Add Customer:

```
Enter the number denoting the action to perform:
ADD Customer...............1
ADD Inventory..............2
ADD Stock..................3
PLACE Order................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers..........7
Exit.......................9
Enter choice: 1

Enter Customer ID: 99
Enter Name: Megan
Enter Address: 123 Apple Rd.

Enter the number denoting the action to perform:
```

Add Inventory

```
Enter the number denoting the action to perform:
ADD Customer...............1
ADD Inventory..............2
ADD Stock..................3
PLACE Order................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers..........7
Exit.......................9
Enter choice: 2

Enter Item ID: 55
Enter Description: Hedge

Enter the number denoting the action to perform:
```

Add Stock

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 3

Enter Target Item ID: 55
Enter Amount(negative to subtract): 500

Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 3

Enter Target Item ID: 1
Enter Amount(negative to subtract): 15

Enter the number denoting the action to perform:
```

Place Order

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 4

Enter Customer ID for Order: 23
Enter new Unique ID for Order: 9

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: 3
Enter Amount: 4

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: 66
Enter Amount: 2

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: 55
Enter Amount: 300

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 11

Enter the number denoting the action to perform:
```

Display Customers

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 7

Customers:

Customer ID: 23
   Name: Jeff
   Address: Main St
   Orders: 9
Customer ID: 26
   Name: Jeffrey
   Address: Maine Street
   Orders:
Customer ID: 50
   Name: Joeffrey
   Address: Maine St
   Orders:
Customer ID: 99
   Name: Megan
   Address: 123 Apple Rd.
   Orders:
Enter the number denoting the action to perform:
```

Display Inventory

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 6

Current Inventory:

Item ID: 1
    Description: Rose
    Stock: 18

Item ID: 23
    Description: Daisy
    Stock: 4

Item ID: 8
    Description: Snapdragon
    Stock: 5

Item ID: 3
    Description: Violet
    Stock: 6

Item ID: 66
    Description: Cactus
    Stock: 7

Item ID: 55
    Description: Hedge
    Stock: 500

Enter the number denoting the action to perform:
```

Display Orders for Customer

```
Enter the number denoting the action to perform:
ADD Customer.................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 5

Enter Customer ID: 23
Enter Begin Date(yyyy-MM-dd) for range: 2010-10-10
Enter End Date(yyyy-MM-dd) for range: 2020-10-10

Customer Name: Jeff
Orders:

Order ID: 9
    Date Placed: Mon Feb 10 05:26:04 EST 2020
    Items Ordered(amt): 3(4), 66(2), 55(300)

Enter the number denoting the action to perform:
```

Error Checking and Input Validation

Add Customer

```
Enter the number denoting the action to perform:
ADD Customer...............1
ADD Inventory..............2
ADD Stock..................3
PLACE Order................4
DISPLAY Orders for Customer.5
DISPLAY Inventory..........6
DISPLAY Customers..........7
Exit.......................9
Enter choice: 1

Enter Customer ID: -1
Wrong format: Non-negative numbers only.
Enter Customer ID: rf
Wrong format: Non-negative numbers only.
Enter Customer ID:


e
Wrong format: Non-negative numbers only.
Enter Customer ID: 5
Enter Name: Anything
Enter Address:
Please input text.
Enter Address:
Please input text.
Enter Address:
Please input text.
Enter Address: d

Enter the number denoting the action to perform:
```

Add Inventory

```
Enter the number denoting the action to perform:
ADD Customer...............1
ADD Inventory..............2
ADD Stock..................3
PLACE Order................4
DISPLAY Orders for Customer.5
DISPLAY Inventory..........6
DISPLAY Customers..........7
Exit.......................9
Enter choice: 2

Enter Item ID: rf
Wrong format: Non-negative numbers only.
Enter Item ID:


g
Wrong format: Non-negative numbers only.
Enter Item ID: 24
Enter Description:
Please input text.
Enter Description: Can be anything really

Enter the number denoting the action to perform:
```

Add Stock

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 3

Enter Target Item ID: 9999
Enter Amount(negative to subtract): 5


*********
Error adding the stock. Does the item exist?
*********

Enter the number denoting the action to perform:
```

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 3

Enter Target Item ID: r
Wrong format: Non-negative numbers only.
Enter Target Item ID: -1
Wrong format: Non-negative numbers only.
Enter Target Item ID: 8
Enter Amount(negative to subtract): r
Wrong format: Numbers only.
Enter Amount(negative to subtract): -1

Enter the number denoting the action to perform:
```

Place Order

```
Enter the number denoting the action to perform:
ADD Customer.................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 4

Enter Customer ID for Order: 999
Enter new Unique ID for Order: 78

*********
Error placing the order. Does the customer exist?
*********

Enter the number denoting the action to perform:
```

```
ADD Stock...................3
PLACE Order................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers..........7
Exit.......................9
Enter choice: 4

Enter Customer ID for Order: 23
Enter new Unique ID for Order: 6

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: 66
Enter Amount: 900
There is only '7' of this item left. Please try again.

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: 9999
Enter Amount: 6
Item '9999' not found. Item skipped.

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 10
Enter Item ID: r
Wrong format: Non-negative numbers only.
Enter Item ID: -1
Wrong format: Non-negative numbers only.
Enter Item ID: 7
Enter Amount: r
Wrong format: Non-negative numbers only.
Enter Amount: -1
Wrong format: Non-negative numbers only.
Enter Amount: 1
Item '7' not found. Item skipped.

Enter the number denoting the action to perform:
ADD Order Item..............10
```

Bad Menu Options

```
Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 99

Enter the number denoting the action to perform:
ADD Order Item..............10
End Order...................11
Enter choice: 11

Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 200


Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 8


Enter the number denoting the action to perform:
```

Display Orders for Customer

```
Enter the number denoting the action to perform:
ADD Customer................1
ADD Inventory...............2
ADD Stock...................3
PLACE Order.................4
DISPLAY Orders for Customer.5
DISPLAY Inventory...........6
DISPLAY Customers...........7
Exit........................9
Enter choice: 5

Enter Customer ID: 9999
Enter Begin Date(yyyy-MM-dd) for range: 20000
Please enter a valid date. Format: yyyy-MM-dd
2000-10-10
Enter End Date(yyyy-MM-dd) for range: 2020-10-10

*********
Error: Customer not found. Does the customer exist?
*********
There are no orders for this customer.

Enter the number denoting the action to perform:
```