LOGIN

Successful Login

```
Welcome to the POS System

Please enter userid: EllieByler
Please enter password: mypassword
Login successful.

*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option:
```

Failed Login Attempt

```
Welcome to the POS System

Please enter userid: IncorrectName
Please enter password: badpassword
Invalid login. Please reenter credentials:
Please enter userid: IncorrectName
Please enter password: mypassword
Invalid login. Please reenter credentials:
Please enter userid: EllieByler
Please enter password: badpassword
Invalid login. Please reenter credentials:
Too many incorrect login attempts. System locked.

Process finished with exit code 0
```

SALES

New Sale with One Item

```
*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 1


*** NEW SALE ***

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 12347
    Item:  Banana
    Price:  0.39
    Please enter quantity: 6
```

New Sale with Invalid UPC

```
1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 64681613
    UPC is not valid.
```

New Sale with Insufficient Stock

```
1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 23106
    Item:  ZINC HEARTS PLANT POT HOLDER
    Price:  16.63
    Please enter quantity: 12
    Insufficient stock. Only added 2 item/s.
```

New Sale with Multiple Items

```
*** NEW SALE ***

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 12345
    Item:  1 dozen Eggs
    Price:  2.99
    Please enter quantity: 2

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 21026
    Item:  SPACE OWL
    Price:  4.95
    Please enter quantity: 1

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 22547
    Item:  MINI JIGSAW DINOSAUR
    Price:  1.06
    Please enter quantity: 3
```

New Sale with Canceling Item

```
*** NEW SALE ***

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 1
Please enter the UPC to purchase: 40016
    Item:  CHINESE DRAGON PAPER LANTERNS
    Price:  1.28
    Please enter quantity: 6

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 2
    Please enter the UPC to return: 40016
    You are returning CHINESE DRAGON PAPER LANTERNS
    Please enter quantity: 3

1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 7
Sale completed.

40016  CHINESE DRAGON PAPER LANTERNS  1.28  3

Your receipt number is 6fe07e35-a67d-40e9-a67a-d33c88412fe3
Your total is 3.84
```

New Sale with Completed Checkout & Receipt

```
1 = Add Item, 2 = Cancel Item/s, 7 = Complete Sale, 9 = Cancel
Please select your option: 7
Sale completed.

12345  1 dozen Eggs  2.99  2

21026  SPACE OWL  4.95  1

22547  MINI JIGSAW DINOSAUR   1.06  3

Your receipt number is 64e30634-fd9e-416f-b3fd-60bf98831768
Your total is 14.11
```

RETURNS

Return Single Item

```
22898   CHILDRENS APRON APPLES DESIGN   3.29   1

22145   CHRISTMAS CRAFT HEART STOCKING    0.65   3

22516   CHILDS GARDEN RAKE BLUE   0.65   1


Your receipt number is 9b007ecc-ac88-47ab-9f10-8fa2b9face1c
Your total is 5.89


*** MAIN MENU ***


1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 2


*** RETURN ITEM/S ***
Please enter receipt number: 9b007ecc-ac88-47ab-9f10-8fa2b9face1c


1 = Return Single Item, 2 = Return All Items, 7 = Complete Returns, 9 = Cancel
Please select your option: 1
Return Single Item:
    Please enter the UPC to return: 22516
    You are returning CHILDS GARDEN RAKE BLUE
    Please enter quantity: 1
Removed CHILDS GARDEN RAKE BLUE from receipt.
```

```
1 = Return Single Item, 2 = Return All Items, 7 = Complete Returns, 9 = Cancel
Please select your option: 7


*** MAIN MENU ***
```

Return with Invalid UPC

```
*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 2

*** RETURN ITEM/S ***
Please enter receipt number: 9b007ecc-ac88-47ab-9f10-8fa2b9face1c


1 = Return Single Item, 2 = Return All Items, 7 = Complete Returns, 9 = Cancel
Please select your option: 1
Return Single Item:
    Please enter the UPC to return: 645641616
    UPC is not valid.
```

Return with UPC Not on Receipt

```
1 = Return Single Item, 2 = Return All Items, 7 = Complete Returns, 9 = Cancel
Please select your option: 1
Return Single Item:
    Please enter the UPC to return: 12345
    Item not on receipt.
```

Return with Invalid Receipt Number

```
*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 2

*** RETURN ITEM/S ***
Please enter receipt number: 9b007ecc-ac88
Receipt not found.

*** MAIN MENU ***
```

Return All Items

```
1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 2

*** RETURN ITEM/S ***
Please enter receipt number: be3e7094-7da9-4f16-8719-815602c6089d

1 = Return Single Item, 2 = Return All Items, 7 = Complete Returns, 9 = Cancel
Please select your option: 2
Return All Items:
    Are you sure you want to return all items? Y=yes, N=no: y
Returning the following:
Receipt id: be3e7094-7da9-4f16-8719-815602c6089d
12347  Banana  0.39  6

12345  1 dozen Eggs  2.99  2

23232  WRAP VINTAGE PETALS  DESIGN  2.08  1

Removed Banana from receipt.
Removed 1 dozen Eggs from receipt.
Removed WRAP VINTAGE PETALS  DESIGN from receipt.
```

BACKROOM OPERATIONS

Create Orders for Replenishment

```
*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 3


*** BACKROOM OPERATIONS ***

1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 1
Create Orders for Replenishment:
Order report file: OrderItems_2021-12-20_182947.430.txt
```

OrderItems_2021-12-20_182947.430.txt - Notepad — □ ✕

File Edit Format View Help

```
72800B  4 PURPLE FLOCK DINNER CANDLES new quantity: 7
23345  DOLLY GIRL BEAKER new quantity: 6
23391  I LOVE LONDON MINI BACKPACK new quantity: 8
22900  SET 2 TEA TOWELS I LOVE LONDON  new quantity: 7
22418 10 COLOUR SPACEBOY PEN new quantity: 6
21448 12 DAISY PEGS IN WOOD BOX new quantity: 7
23442 12 HANGING EGGS HAND PAINTED new quantity: 8
20982 12 PENCILS TALL TUBE SKULLS new quantity: 4
84461 12 PINK HEN+CHICKS IN BASKET new quantity: 8
21446 12 RED ROSE PEG PLACE SETTINGS new quantity: 7
21456 2 PICTURE BOOK EGGS EASTER CHICKS new quantity: 6
22316 200 BENDY SKULL STRAWS new quantity: 7
85034A 3 GARDENIA MORRIS BOXED CANDLES new quantity: 6
22158 3 HEARTS HANGING DECORATION RUSTIC new quantity: 7
22839 3 TIER CAKE TIN GREEN AND CREAM new quantity: 6
72815 3 WICK CHRISTMAS BRIAR CANDLE  new quantity: 6
22949 36 DOILIES DOLLY GIRL new quantity: 7
21188 3D HEARTS  HONEYCOMB PAPER GARLAND new quantity: 8
84559B 3D SHEET OF CAT STICKERS new quantity: 7
22732 3D VINTAGE CHRISTMAS STICKERS  new quantity: 6
72800D 4 BLUE DINNER CANDLES SILVER FLOCK new quantity: 6
35833G 4 GOLD FLOCK CHRISTMAS BALLS new quantity: 8
72800E 4 IVORY DINNER CANDLES SILVER FLOCK new quantity: 4
22620 4 TRADITIONAL SPINNING TOPS new quantity: 8
```

Ln 1, Col 1   100%   Windows (CRLF)   UTF-8

Print Inventory Report

```
1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 2
Print Inventory Report:
UPC: 72800B Description:  4 PURPLE FLOCK DINNER CANDLES Item_Max_Qty: 7
    Order_Threshold: 3 replenishment_order_qty: 6
    Item_on_hand: 2 Unit price: 2.55 Order_placed: True

UPC: 23345 Description:  DOLLY GIRL BEAKER Item_Max_Qty: 6
    Order_Threshold: 2 replenishment_order_qty: 6
    Item_on_hand: 1 Unit price: 2.55 Order_placed: True
```

```
UPC: 23144 Description: ZINC T-LIGHT HOLDER STARS SMALL Item_Max_Qty: 53
    Order_Threshold: 16 replenishment_order_qty: 48
    Item_on_hand: 48 Unit price: 5.88 Order_placed:

UPC: 23143 Description: ZINC WIRE KITCHEN ORGANISER Item_Max_Qty: 30
    Order_Threshold: 9 replenishment_order_qty: 27
    Item_on_hand: 25 Unit price: 5.88 Order_placed:

UPC: 12345 Description: 1 dozen Eggs Item_Max_Qty: 25
    Order_Threshold: 8 replenishment_order_qty: 22
    Item_on_hand: 20 Unit price: 2.99 Order_placed:

UPC: 12346 Description: 1/2 dozen Eggs Item_Max_Qty: 25
    Order_Threshold: 8 replenishment_order_qty: 22
    Item_on_hand: 20 Unit price: 1.99 Order_placed:

UPC: 12347 Description: Banana Item_Max_Qty: 105
    Order_Threshold: 32 replenishment_order_qty: 94
    Item_on_hand: 90 Unit price: 0.39 Order_placed:
```

Create Today's Item Sold Report

```
1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 3
Create Today's Item Sold Report:
Receipt ID: 4ea3f82e-e641-49e6-a0f7-b2448febf7a8
12347  Banana  0.39  6

23106  ZINC HEARTS PLANT POT HOLDER  16.63  2

Receipt ID: 64e30634-fd9e-416f-b3fd-60bf98831768
21026  SPACE OWL  4.95  1

22547  MINI JIGSAW DINOSAUR   1.06  3

Receipt ID: 9d63177d-52a5-44b0-b737-8afb3dc045e1
23342  MINT DINER CLOCK  16.63  1
```

```
Receipt ID: 6fe07e35-a67d-40e9-a67a-d33c88412fe3
40016  CHINESE DRAGON PAPER LANTERNS  1.28  3

Receipt ID: 9b007ecc-ac88-47ab-9f10-8fa2b9face1c
22898  CHILDRENS APRON APPLES DESIGN  3.29  1

22145  CHRISTMAS CRAFT HEART STOCKING   0.65  3

Receipt ID: a4b0558e-d00b-4933-afbd-b86f97fe1a95
20769  DAISY JOURNAL   2.95  2

Receipt ID: e59c12ce-e7ee-407c-958c-05be6988344f
12347  Banana  0.39  4

Total Sales: 76.9
```

Receipt Lookup

```
1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 4
Receipt Lookup:
Please enter receipt number: e59c12ce-e7ee-407c-958c-05be6988344f
12347  Banana  0.39  4
```

Create Updated Inventory File

```
1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 5
Created updated inventory file: ItemData_2021-12-20_183530.575.xlsx
```

Before:

	A	B	C	D	E	F	G
1	UPC	Description	Item_Max_Qty	Order_Threshold	replenishment_order_qty	Item_on_hand	Unit price
1039	12347	Banana	105	32	94	100	0.39
1040							

RetailStoreItemData ⊕

After (10 bananas ordered):

	A	B	C	D	E	F	G
1	UPC	Description	Item_Max_Qty	Order_Threshold	replenishment_order_qty	Item_on_hand	Unit price
1039	12347	Banana	105	32	94	90	0.39
1040							

ItemData_2021-12-20_183530.575 ⊕

Update Running Sales

"Day 1":

```
*** BACKROOM OPERATIONS ***

1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 6
Added today's items to Sales File:


Receipt id: e521e129-e81d-4685-8e4b-29deaa0c16f4
22912  YELLOW COAT RACK PARIS FASHION  2.94  1


Receipt id: b89582f1-4669-46bd-b12f-cb6402551022
12347  Banana  0.39  6


Created / Updated Sales File: Running_Sales_Register.txt

1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 9
Cancel


*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 9
Created updated inventory file: ItemData_2021-12-20_195245.958.xlsx
Logging Off

Process finished with exit code 0
```

Running_Sales_Register.txt - Notepad — □ ✕

File Edit Format View Help

Receipt ID: e521e129-e81d-4685-8e4b-29deaa0c16f4 , Receipt ID: b89582f1-4669-46bd-b12f-cb6402551022 , Total Sales: 5.28

"Day 2":

```
*** BACKROOM OPERATIONS ***


1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 6
Added today's items to Sales File:


Receipt id: fb8b84cd-b049-4419-b091-6dcad099e832

22649   STRAWBERRY FAIRY CAKE TEAPOT  1.25  1


47310MDUPE   SMALL POP BOX - FUNKY MONKEY  12.75  2


Receipt id: 11491de0-e9fc-415a-8650-c58aab2a6d3b

22863   SOAP DISH BROCANTE  1.25  1


Created / Updated Sales File: Running_Sales_Register.txt

1 = Create Orders for Replenishment, 2 = Print Inventory Report,
    3 = Create Today's Item Sold Report, 4 = Receipt Lookup
    5 = Create Updated Inventory File, 6 = Update Running Sales
    9 = Cancel
Please select your option: 9
Cancel
```
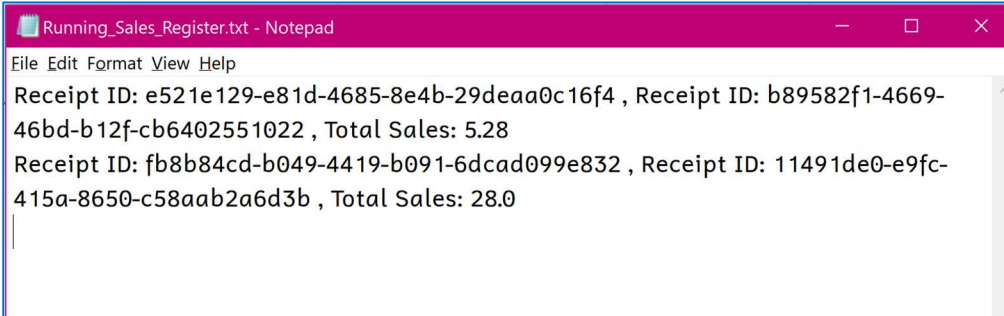
```
*** MAIN MENU ***

1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 9
Created updated inventory file: ItemData_2021-12-20_195838.732.xlsx
Logging Off


Process finished with exit code 0
```

Running_Sales_Register.txt - Notepad

File Edit Format View Help

Receipt ID: e521e129-e81d-4685-8e4b-29deaa0c16f4 , Receipt ID: b89582f1-4669-46bd-b12f-cb6402551022 , Total Sales: 5.28
Receipt ID: fb8b84cd-b049-4419-b091-6dcad099e832 , Receipt ID: 11491de0-e9fc-415a-8650-c58aab2a6d3b , Total Sales: 28.0

LOGOFF

Logging Off

```
*** MAIN MENU ***


1 = New Sale, 2 = Return Item/s, 3 = Backroom Operations, 9 = Exit Application
Please select your option: 9
Created updated inventory file: ItemData_2021-12-20_184811.762.xlsx
Logging Off


Process finished with exit code 0
```