

a) Inventory items are displayed in the inventory:

Inventory Management System

1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application

Please enter your choice: 2

Venkata Narasimha Vedavyas Muppavarapu

N01583267

Item Name	Item Serial Code	Item Quantity	Item Price per Unit
qwerty	123q	10	\$123.66
asdf	123a	134	\$1238.56
qwasy	123s	10	\$432.9

b) If there was NO item in the inventory (warehouse does not have any items) then message to that effect is displayed because there cannot be any sales if there are no items in the inventory.

c) If customer tries to buy an item that does not exist in the inventory, following message is displayed:

Inventory Management System

1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application

Please enter your choice: 4

Enter inventory item serial code: 123r

Enter inventory item quantity: 2

Item is not in inventory..

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d) If customer tries to buy items from the inventory but the number of items in the inventory are less than the quantity that the customer wants to purchase, then following message is displayed:

```
Inventory Management System
1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application
Please enter your choice: 4
Enter inventory item serial code: 123s
Enter inventory item quantity: 15
Not enough quantity available..
```

e) As the customer purchases items from the inventory – if items were available with sufficient quantity, then following table (Sales Invoice) is displayed (and same information is also emailed to the customer as invoice):

```
Inventory Management System
1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application
Please enter your choice: 4
Enter inventory item serial code: 123a
Enter inventory item quantity: 13
Sending mail to the customer...
```

My Sales Invoice to February 19, 2023 ▷ Inbox x



vdvs99@gmail.com
to me ▼

					Vedavyas N01583267
Sale Time	Name	ID	Quantity	Price Per Unit	
2023-02-19T21:07:00.751079	qwasy	123s	2	\$432.905	
2023-02-19T21:09:01.243871	qwerty	123q	2	\$123.657	
2023-02-19T21:13:03.418905	qwasy	123s	1	\$432.905	
2023-02-19T21:39:01.207250	asdf	123a	13	\$1238.56	
Total price of all items purchased:				\$17647.31	
Tax amount paid:				\$2294.15	
Total amount paid:				\$19941.46	

f) If the customer buys the existing total inventory, then the inventory will be removed and will be added to sales.

Inventory Management System

1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application

Please enter your choice: 2

Venkata Narasimha Vedavyas Muppavarapu

N01583267

Item Name	Item Serial Code	Item Quantity	Item Price per Unit
qwerty	123q	10	\$123.66
asdf	123a	134	\$1238.56
qwasy	123s	10	\$432.9

Inventory Management System

1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application

Please enter your choice: 4

Enter inventory item serial code: 123s

Enter inventory item quantity: 10

Sending mail to the customer...

My Sales Invoice to February 19, 2023 Inbox x



vdvs99@gmail.com

to me ▼

Vedavyas

N01583267

Sale Time	Name	ID	Quantity	Price Per Unit
2023-02-19T21:07:00.751079	qwasy	123s	2	\$432.905
2023-02-19T21:09:01.243871	qwerty	123q	2	\$123.657
2023-02-19T21:13:03.418905	qwasy	123s	1	\$432.905
2023-02-19T21:39:01.207250	asdf	123a	13	\$1238.56
2023-02-19T21:41:31.024285	qwasy	123s	10	\$432.905

Total price of all items purchased: \$21976.36

Tax amount paid: \$2856.93

Total amount paid: \$24833.29

Inventory Management System

1. Add Inventory Items
2. Display All Inventory Items
3. Search Inventory Item By Item Serial Code
4. Sales
5. Exit/End Application

Please enter your choice: 2

Venkata Narasimha Vedavyas Muppavarapu

N01583267

Item Name	Item Serial Code	Item Quantity	Item Price per Unit
qwerty	123q	10	\$123.66
asdf	123a	121	\$1238.56