KDSHOP

Inventory Management System

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Overview Project

JFrame Components

Login

Modify

Update

Purchase

Inventory

Marketing Requirement

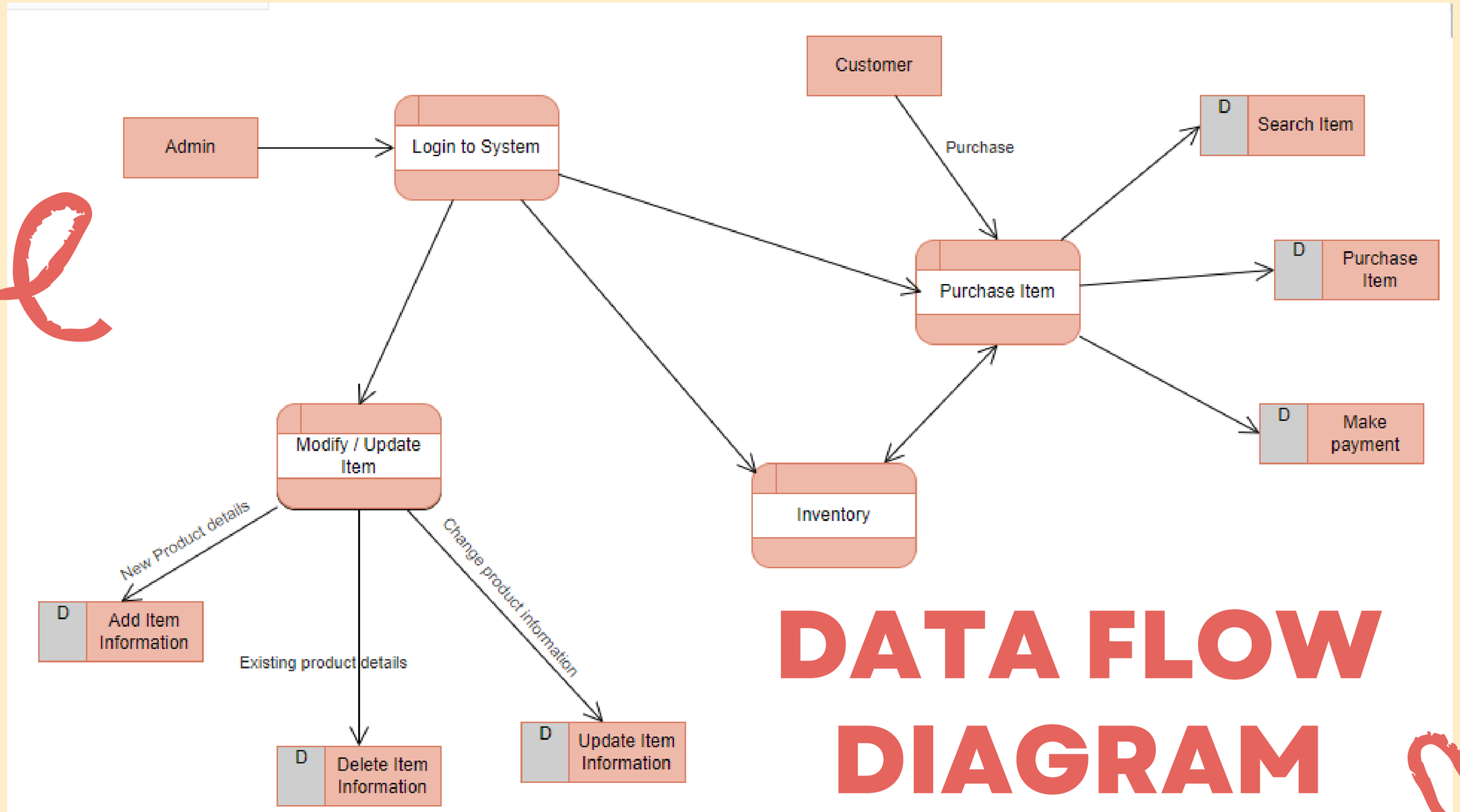
- The system should have simple syxtem complexity
- The system should be able to manage inventory
- The system should be able to update product purchase.
- The system should be easy to use.
- The system can be used anytime, anywhere and any devices with internet access
- The system should be able to view inventory.
- The system should detect duplicate information
- The system should save cost and time

Engineering Requirement

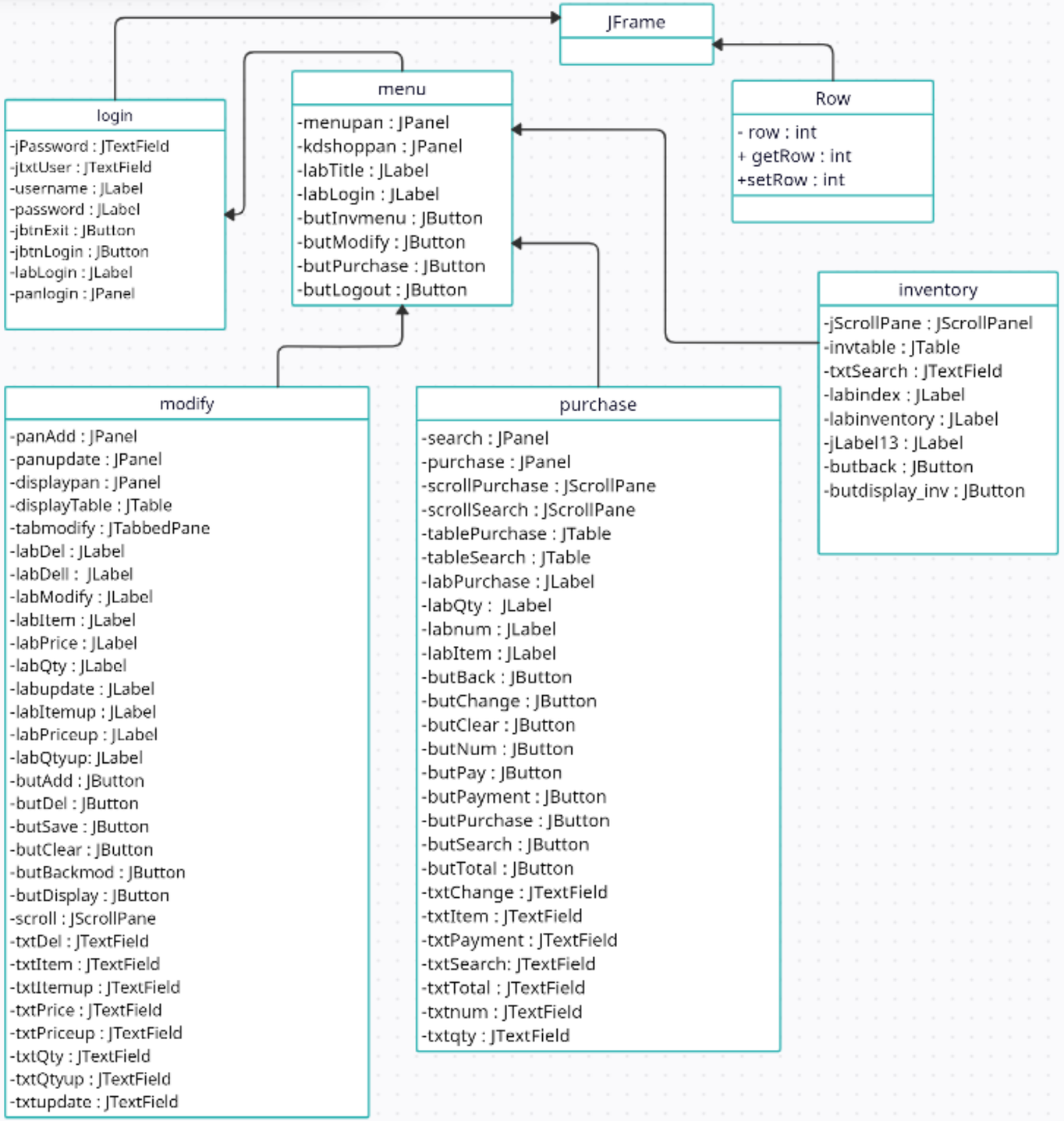
- The system can modify data information
- The system can search features
- The system can display inventory
- The system will have menu button
- The system will have simple interface
- The system should save cost and time
- The system use web-based
- The system display input error value warning
- The system save cost and time

Engineering-Marketing Tradeoff Matrix

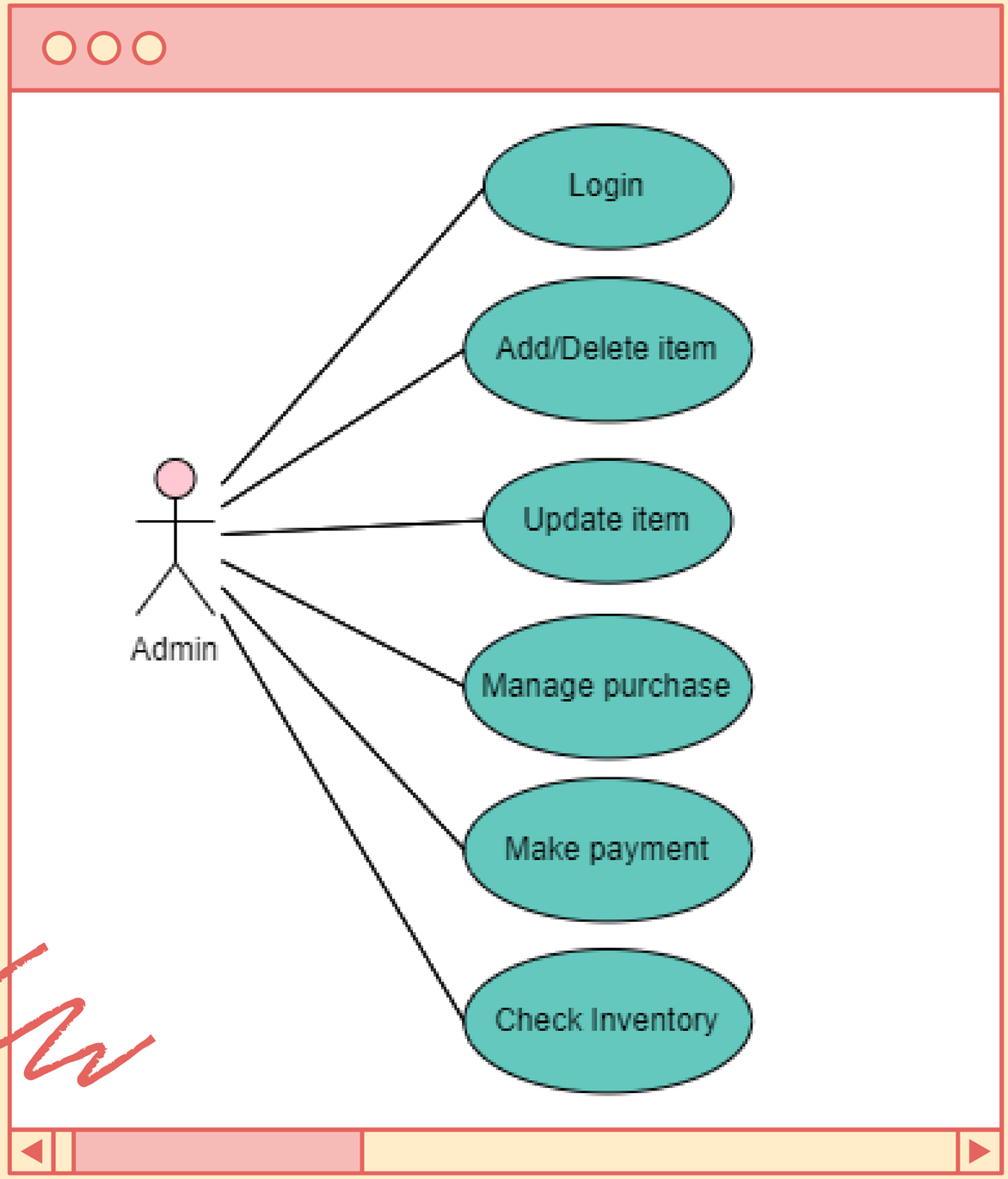
		Modify data information	Search features	Display inventory	Menu button	Simple interface	Web-based app	Input error value warning	cost
		+	+	+	+	+	+	+	-
1) Manage inventory	+	↑	↑	↑	↑	↑	↑	↑	↓
2) System complexity	-	↓	↓	↑	↓	↑	↓		↑
3) Easy to use.	+		↑			↑	↑		↑
4) Used anytime, anywhere	+	↑	↑	↑	↑	↑↑	↑↑		↑↑
5) View inventory.	+			↑	↑	↑		↑	
6) Update product purchase.	+		↑			↑		↑	
7) Detect duplicate information	-							↑	
8) Low cost	-	↓	↓	↓	↓	↑	↓		↑↑



DATA FLOW DIAGRAM



CLASS DIAGRAM



USE CASE DIAGRAM

Admin can access : -

- LOGIN
- MODIFY INFORMATION
  (Add, Delete and Update item information)
- PURCHASE
  (search and purchase item)
- Make payment at purchase class
- INVENTORY
  (Check inventory latest information)

SEQUENCE DIAGRAM

Video Viewer

1080px(W) 1920px(H)

LIFELINE :

- Login

-assume that you have an account

- Menu

-can access to three different part.

- Modify/Update

-Modify (can add new item and delete existing item)

-Update (can update item information)

-There is a display part to display the item after being modified

- Purchase

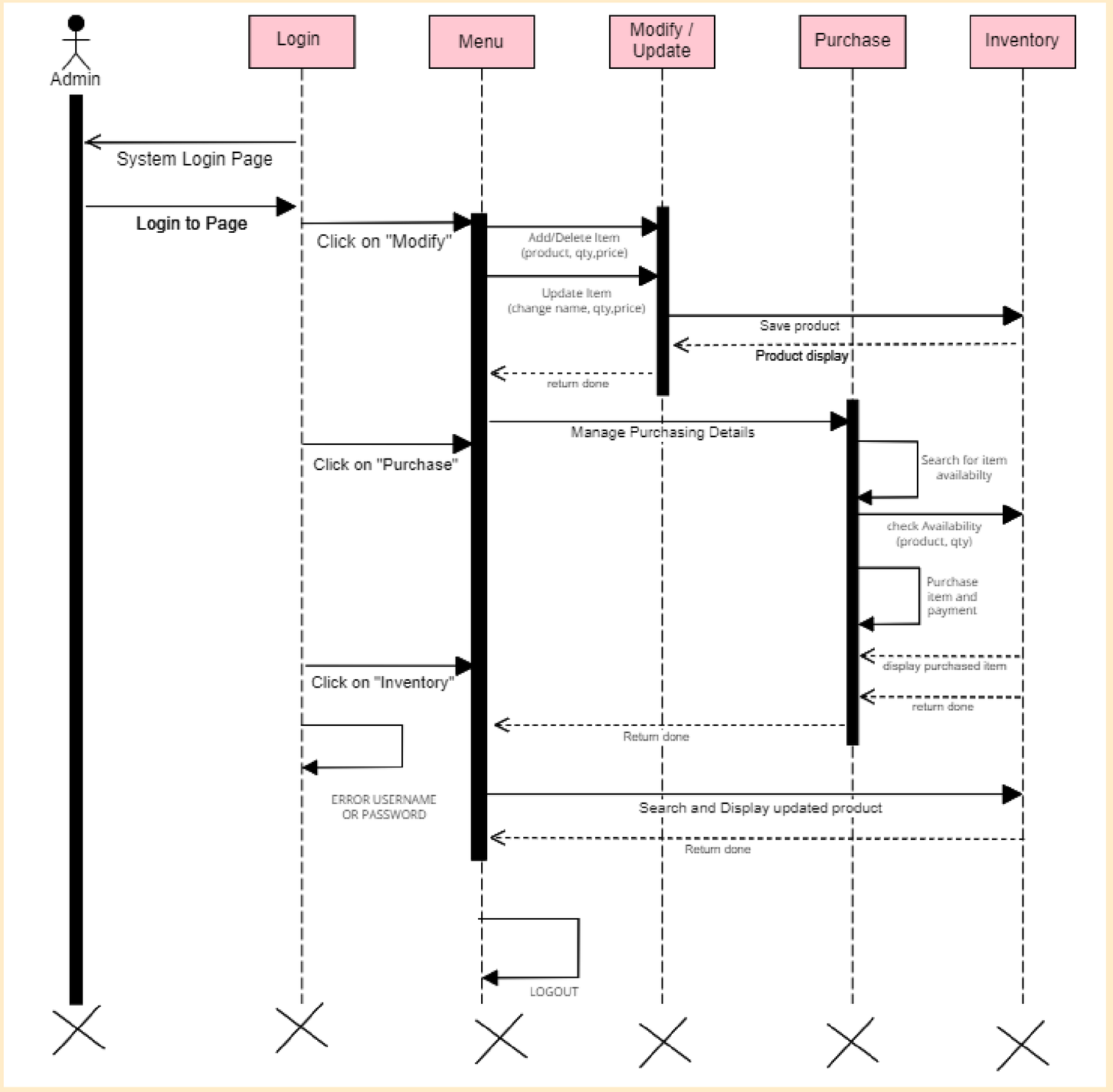
-you can search for item

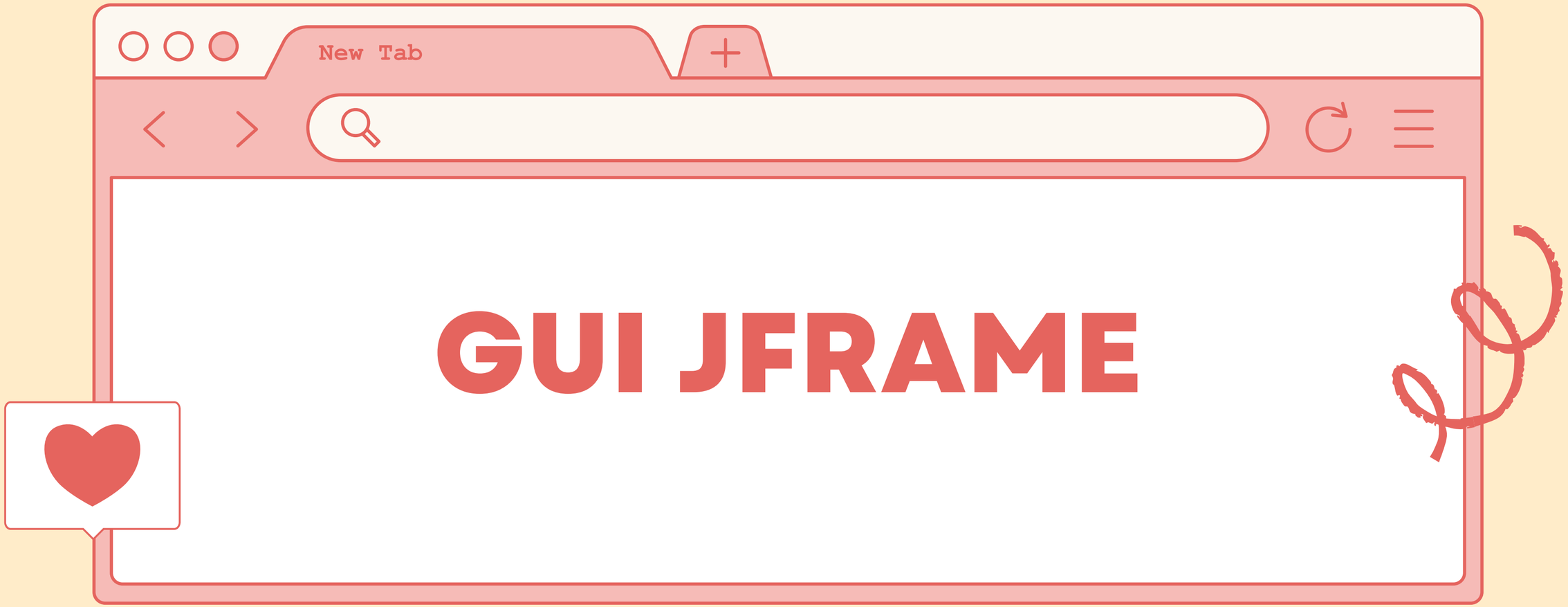
-purchase item and make a payment

- Inventory

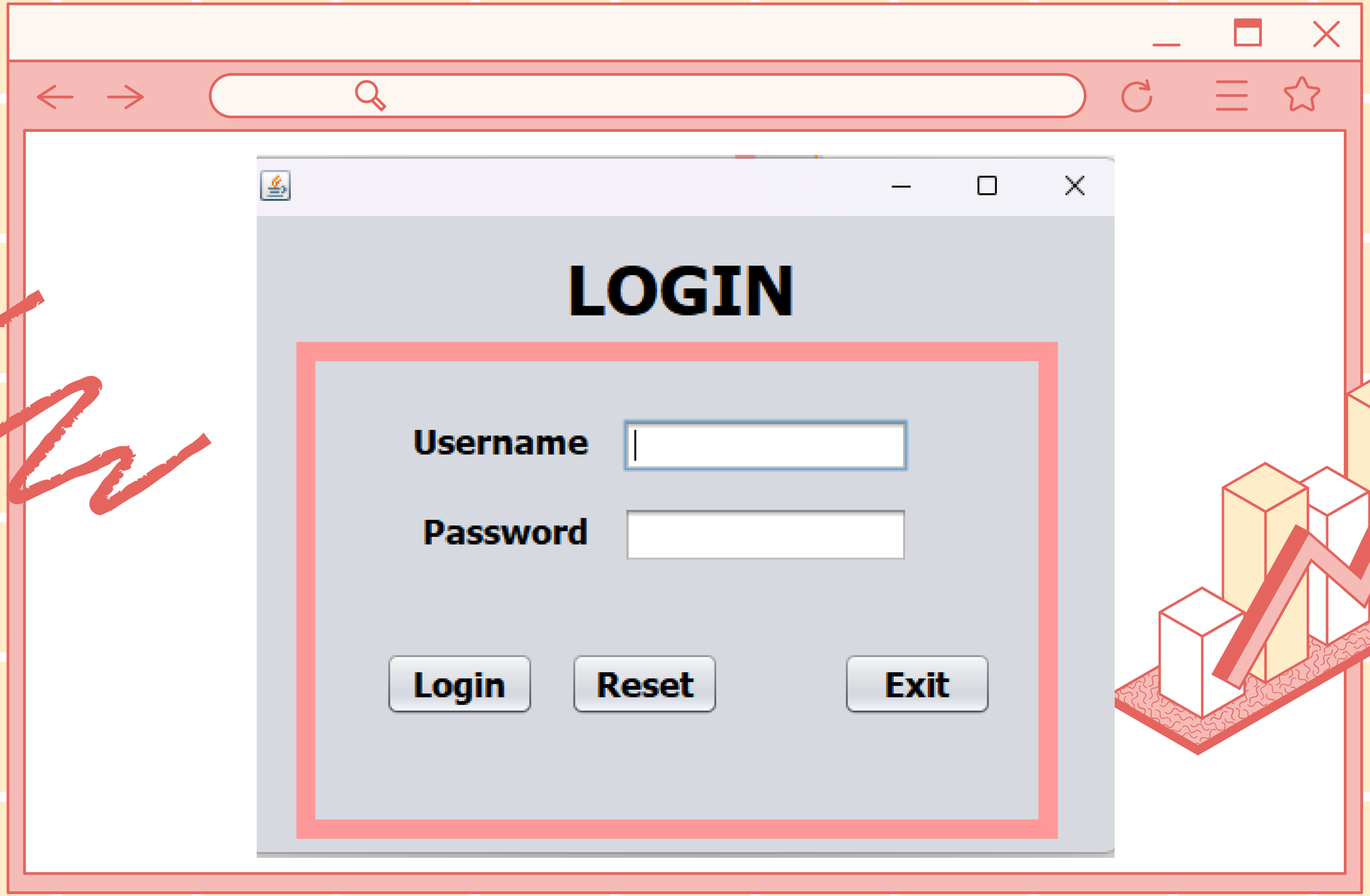
-search and track item easily

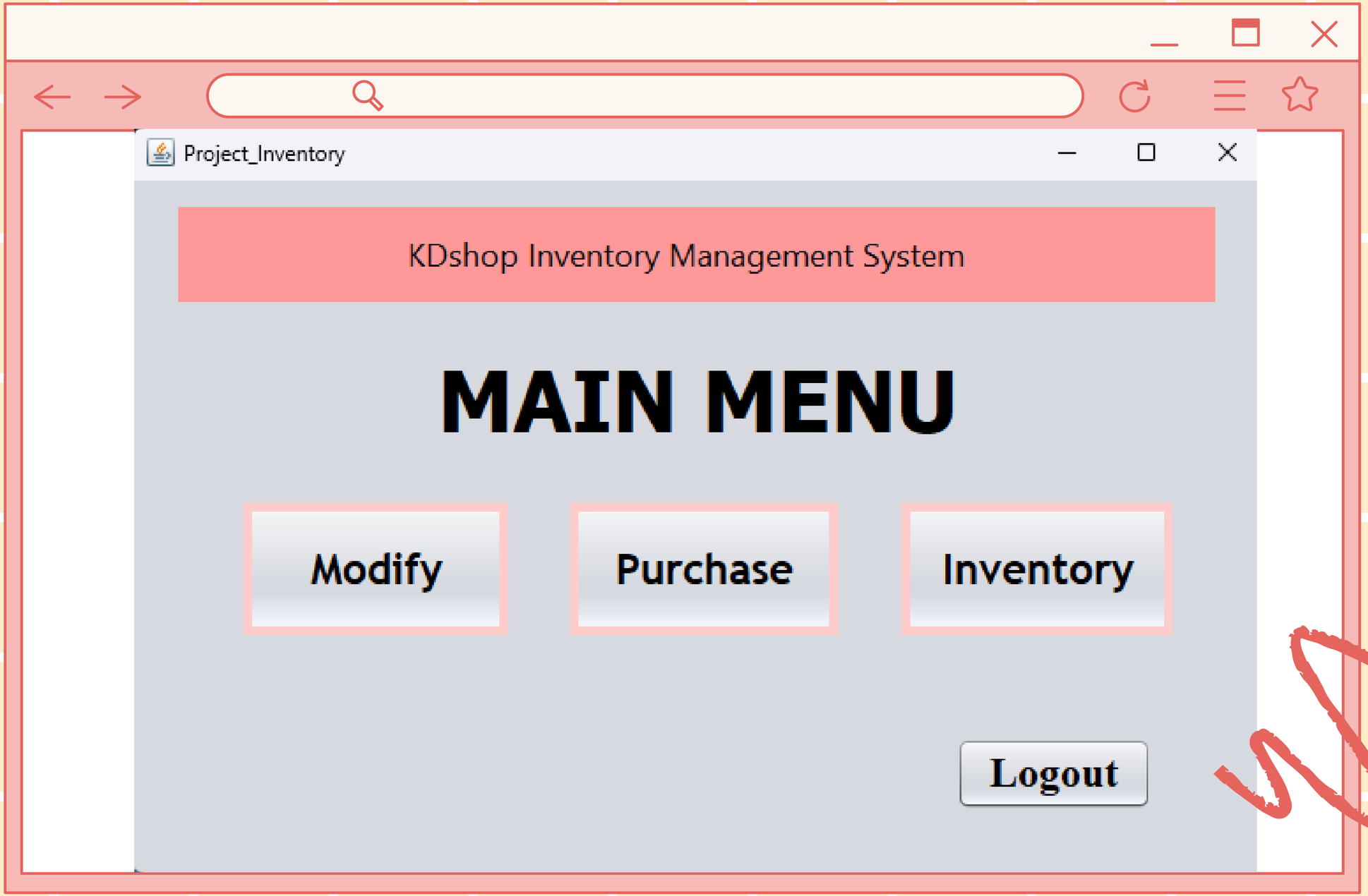
watch_this.mp4

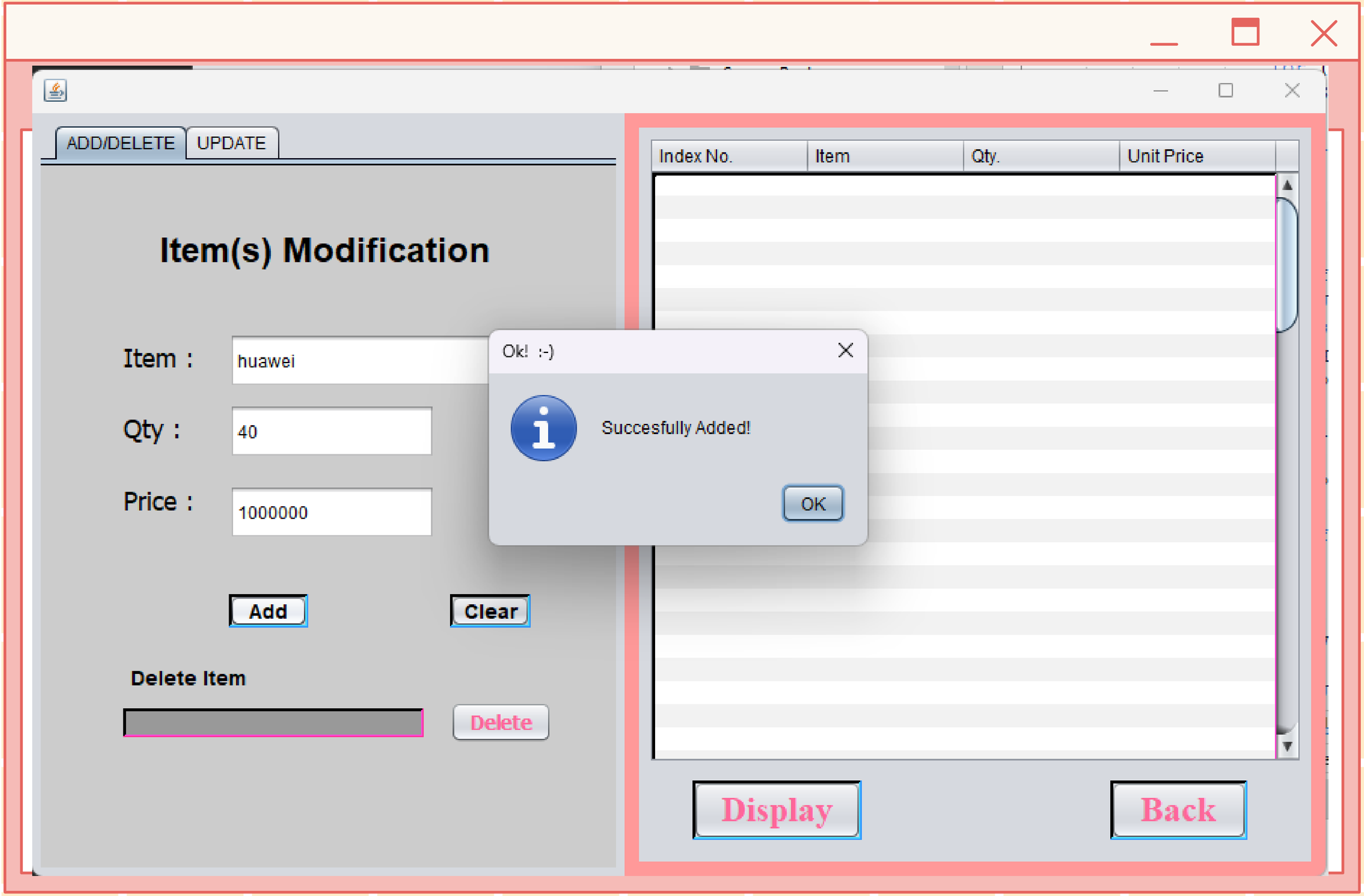


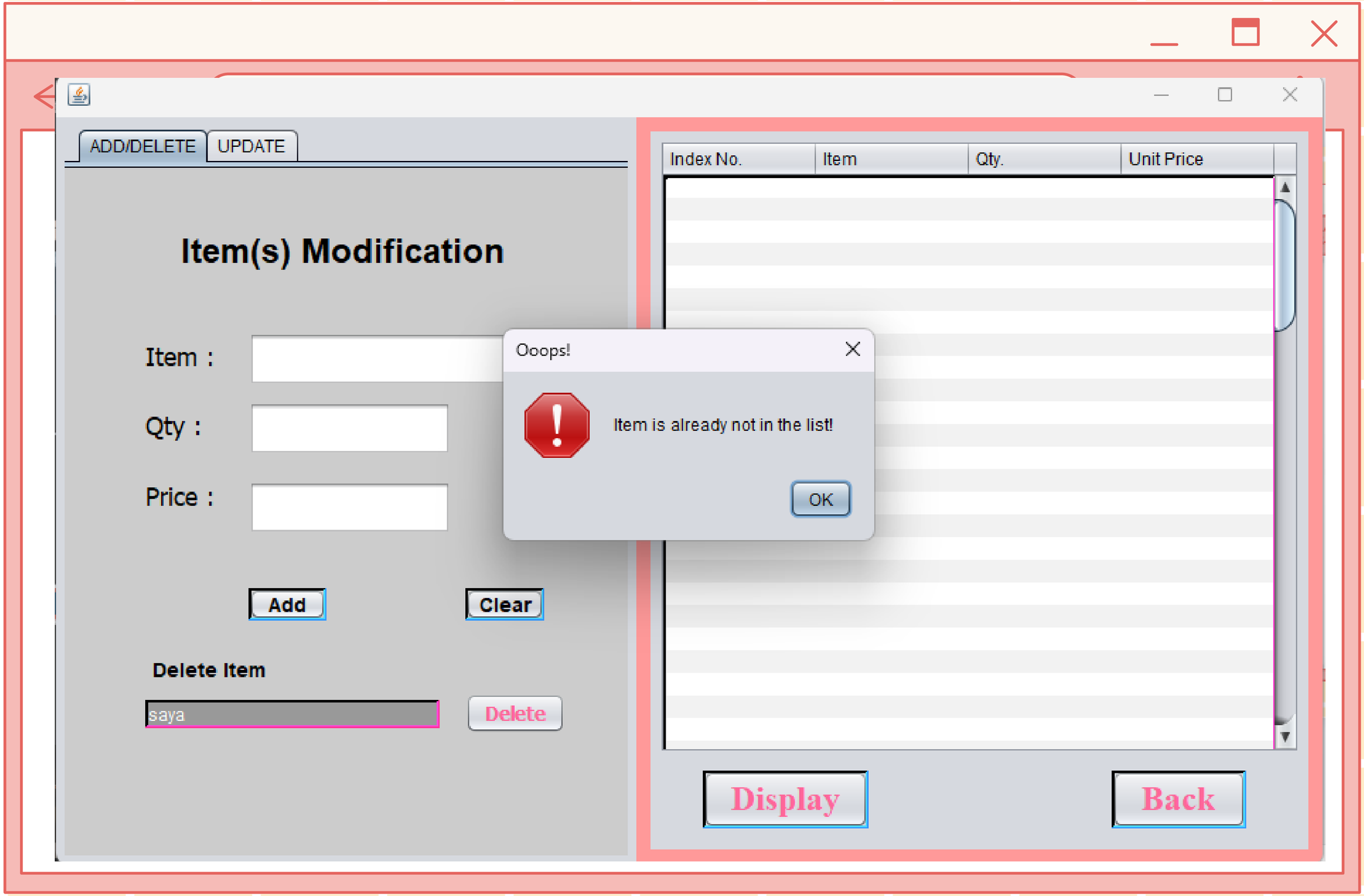


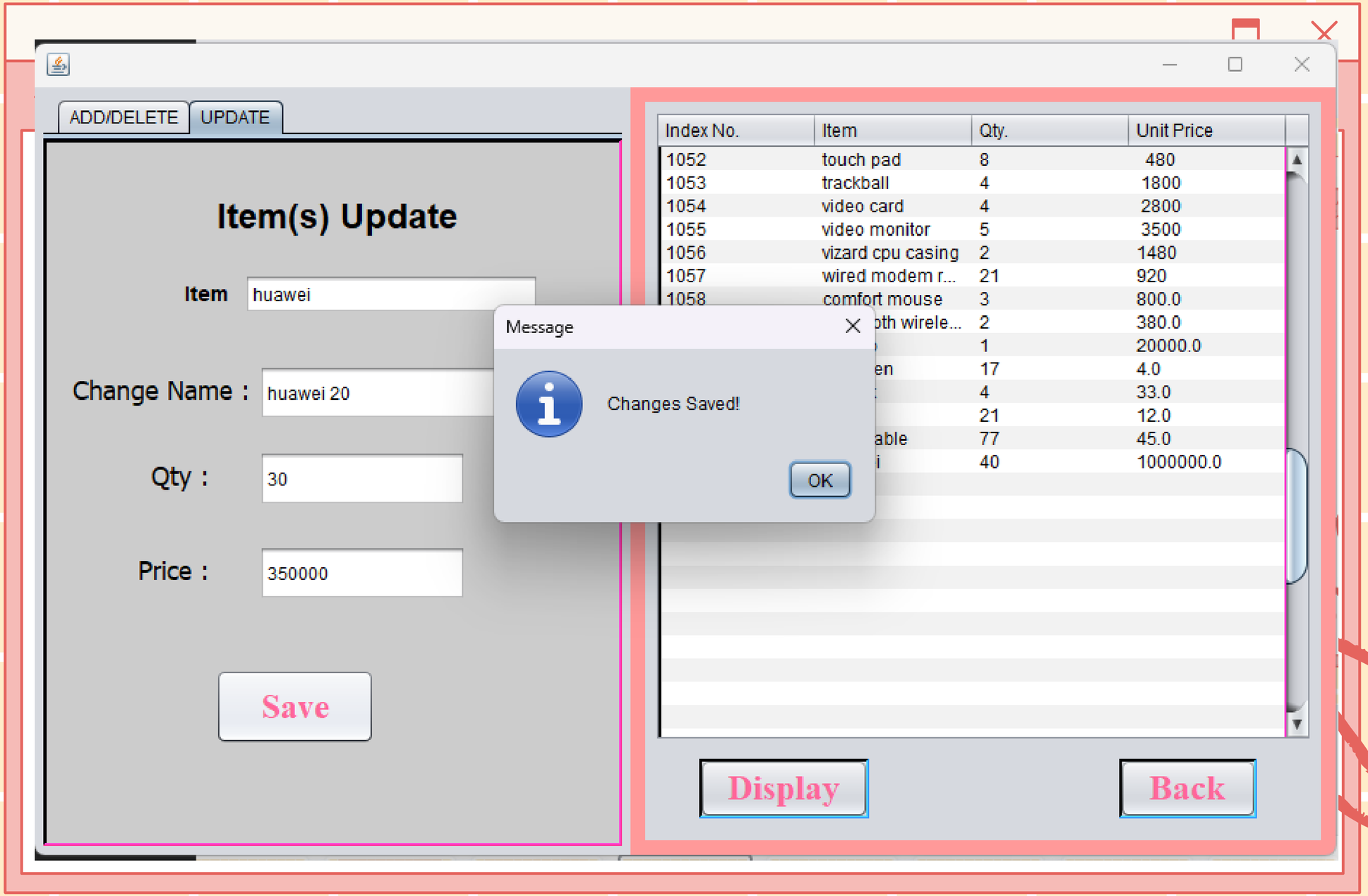
GUI JFRAME

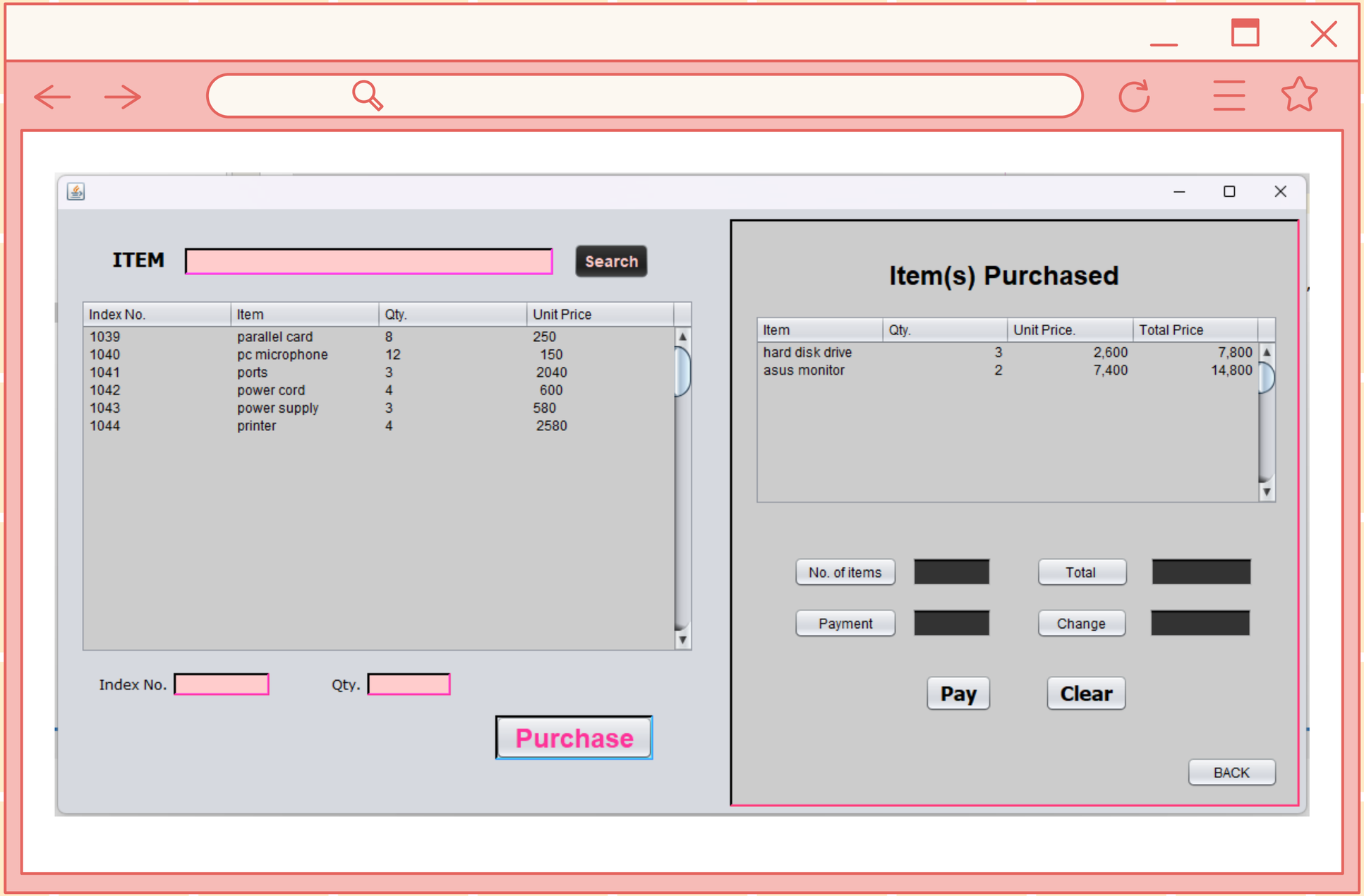

LOGIN
Username
Password
Login
Reset
Exit

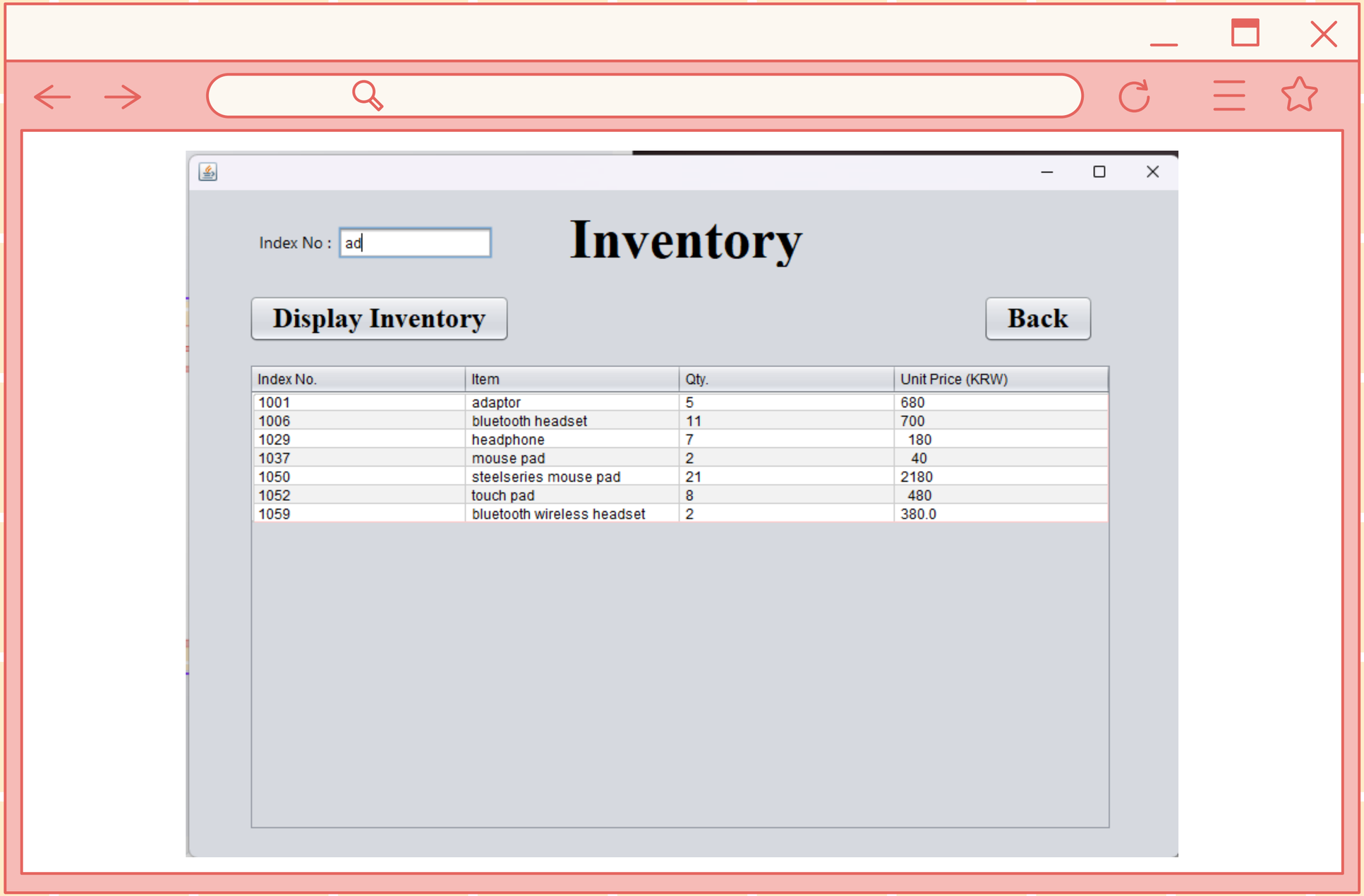

Project_Inventory
KDshop Inventory Management System
MAIN MENU
Modify
Purchase
Inventory
Logout


ADD/DELETE
UPDATE
Item(s) Modification
Item :
huawei
Qty :
40
Price :
1000000
Add
Clear
Delete Item
Delete
Index No.
Item
Qty.
Unit Price
Ok! :-)
Succesfully Added!
OK
Display
Back


ADD/DELETE
UPDATE
Item(s) Modification
Item :
Qty :
Price :
Add
Clear
Delete Item
saya
Delete
Index No.
Item
Qty.
Unit Price
Display
Back
Ooops!
Item is already not in the list!
OK


ADD/DELETE
UPDATE
Item(s) Update
Item
huawei
Change Name :
huawei 20
Qty :
30
Price :
350000
Save
Message
Changes Saved!
OK
Index No.
Item
Qty.
Unit Price
1052 touch pad 8 480
1053 trackball 4 1800
1054 video card 4 2800
1055 video monitor 5 3500
1056 vizard cpu casing 2 1480
1057 wired modem r... 21 920
1058 comfort mouse 3 800.0
2 380.0
1 20000.0
17 4.0
4 33.0
21 12.0
77 45.0
40 1000000.0
Display
Back


ITEM
Search
Index No.
Item
Qty.
Unit Price
1039 parallel card 8 250
1040 pc microphone 12 150
1041 ports 3 2040
1042 power cord 4 600
1043 power supply 3 580
1044 printer 4 2580
Index No.
Qty.
Purchase
Item(s) Purchased
Item
Qty.
Unit Price.
Total Price
hard disk drive 3 2,600 7,800
asus monitor 2 7,400 14,800
No. of items
Total
Payment
Change
Pay
Clear
BACK


Index No : ad
Inventory
Display Inventory
Back
Index No. | Item | Qty. | Unit Price (KRW)
1001 | adaptor | 5 | 680
1006 | bluetooth headset | 11 | 700
1029 | headphone | 7 | 180
1037 | mouse pad | 2 | 40
1050 | steelseries mouse pad | 21 | 2180
1052 | touch pad | 8 | 480
1059 | bluetooth wireless headset | 2 | 380.0

THANK YOU