VISUAL PROGRAMING

Zero Project Shopping Cart System

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GROUP MEMBERS

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OVERVIEW

The shopping cart application allows users to manage products in their cart. Users can add and remove items, view the cart, manage item quantities, calculate total costs including discounts and taxes, receive product recommendations, and go through a checkout process. The application uses collections to manage the products and the cart effectively. This application is helpful for users to shop online.

FEATURES

The Application contains the following features:

- ·Sign-up and Log-in
- ·Add and remove products from the cart
- **·View Cart**
- **·Item Quantity Management**
- **•Total Cost Calculations**
- Apply discounts and sales tax
- **Product Recommendation**
- ·Cart Expiry
- **·Checkout Process**



LOG-IN/SIGN-UP

As the application starts an interface of log-in and sign-uup pops on the screen giving two options of log-in and sign-up.

Login and Signup		-	0	×
Login	Login or Sign up		Sign u	р
Enter username:				
Enter password:				
	Login			

SIGN-UP

The user will first have to create an account by entering a username and password. The user will then have to re enter the password in order to confirm the account creation.

Enter username:		
Enter usemanne.		
Enter password:		
Confirm Password:		
	Sign up	

SIGN-UP

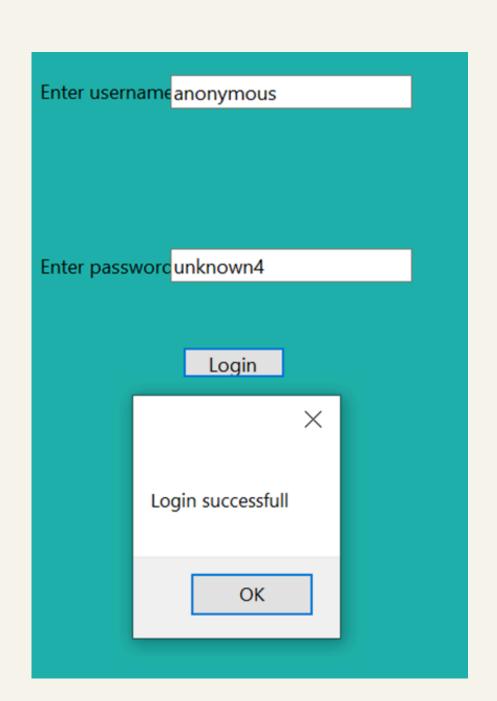
After entering the same password an account created confirmation message box will be displayed on screen.

There will be a trouble to create an account if the user enters in correct password in confirmation box. The entry of valid and accurate information will lead to a successful account creation.

Enter username anonymous	
Enter passworc unknown4	
Confirm Passwor unknown4	
Sign up	
×	
Your account has been created	
ОК	

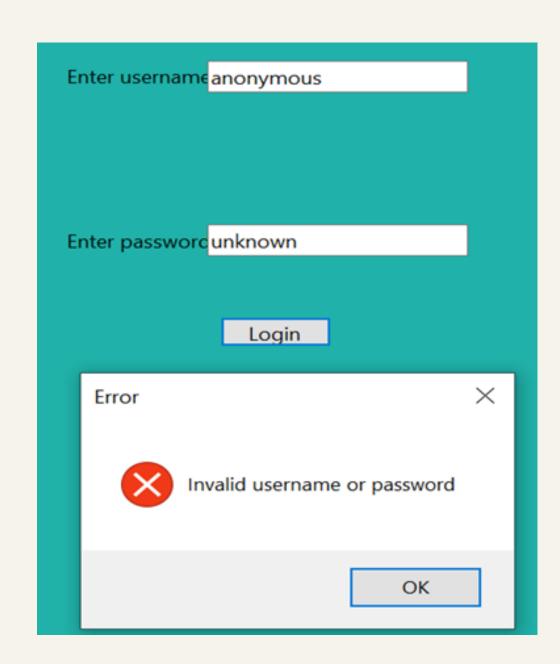
LOG-IN

Then appears the log-in interface, this demands the user to enter the log-in credentials that are the username and password that the user has entered to create account. After entering the accurate information a prompt of log-in successful is displayed on the screen. After logging in the user will be able to purchase any item.



VALIDATION

There is a validation of entering the accurate password otherwise a prompt of invalid username and password will be displayed.



MAIN MENU

back to	main menu	Display	Check out	Total Price:
oducts	Price			Recoomeded Items
encil:	90	Add to		Shapner - Price: 40 XYZ - Price: 90
ubber:	100	Add to		Pencil - Price: 90
en:	150	Add to		
Clip Board:	800	Add to		
nk:	200	Add to		
Shapner:	40	Add to		
Remover:	50	Add to		
(YZ:	90	Add to		

After successful login-in into the account, a main-menu is displayed on the screen

ADD PRODUCTS

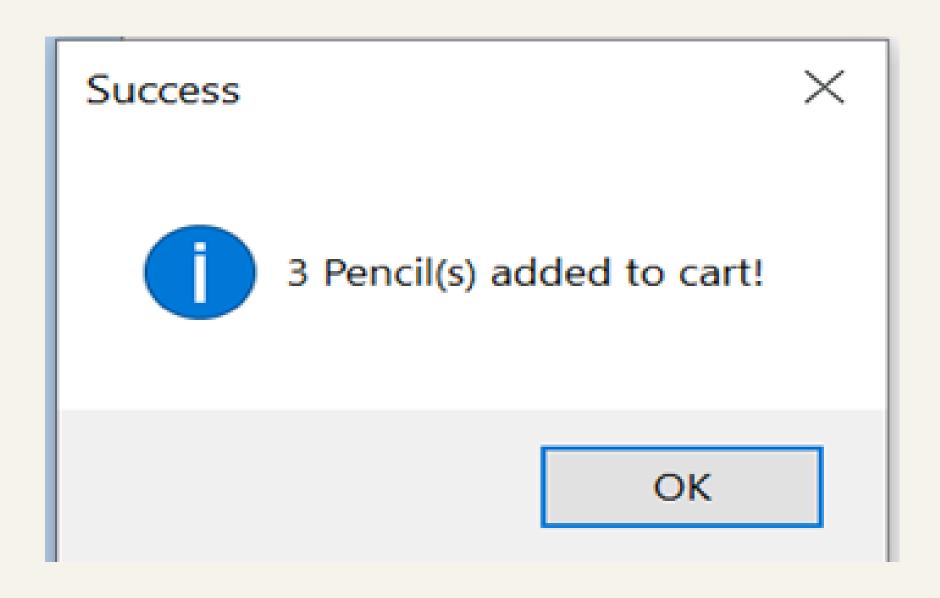
Now, the user can add items of their own will that they want to purchase. The user can add an item into the cart by clicking on the Add to button.

90	Add to
100	Add to
150	Add to
800	Add to
200	Add to
40	Add to
50	Add to
90	Add to
	150 800 200 40 50

QUANTITY

After selecting a product, a screen displays that asks for the quantity the user wants of the product. The users enters his desired quantity.

Quantity	\times
Enter quantity for Pencil (Available: 100):	OK
	Cancel
3	



After clicking, the items are added in the cart. A success message box is displayed on the screen.

UPDATE

Pencil 3 Clip Board 1 Delete Item Update Item Add quantity Remove quantity	back to main menu	Display	Check out	Total Price:	1070
Add quantity				Delete Ite	em
				Update It	em
Remove quantity					
				Remove qua	antity

The user can also update the added items list. The update menu contains options to update the list by adding and removing quantity of the items and to delete an item from the list.

UPDATE QUANTITY

A display appears if a user want to update the quantity. The user choses weather he want to add more quantity or remove the quantity .The screen displaying Add Quantity appears while asking about the amount to add.

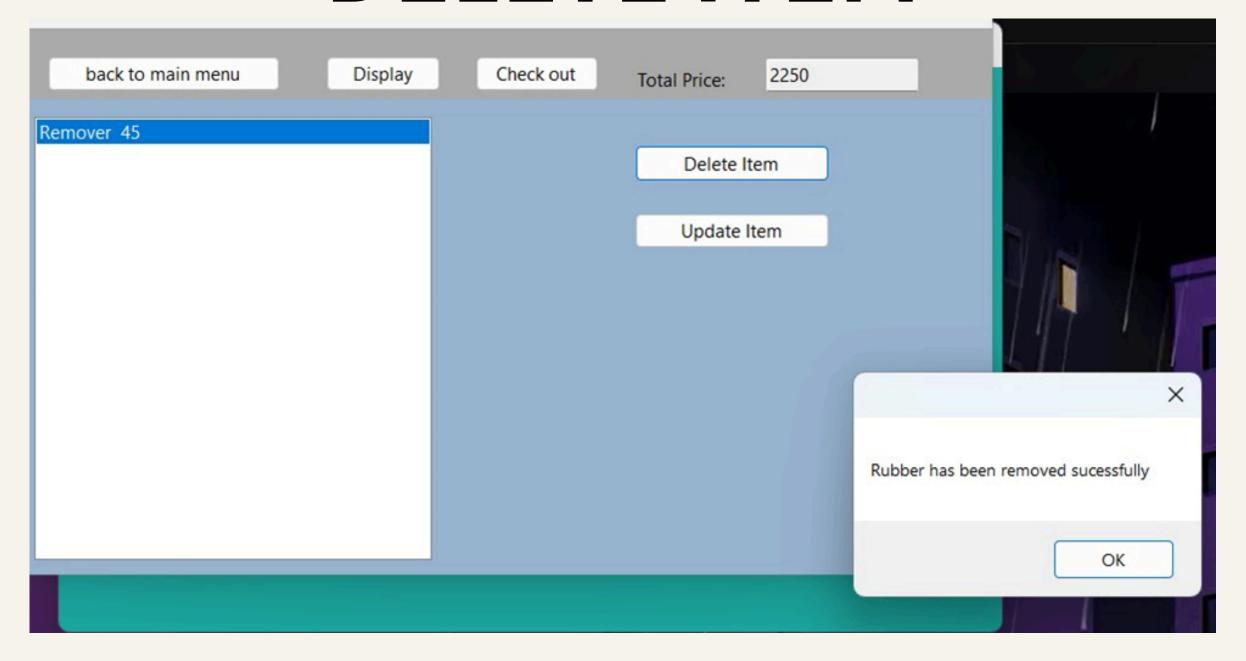
Microsoft.VisualBasic.Core	×
How much quantity that you want to add for Remover. Avalaible Quantity 55:	ОК
	Cancel
	17
1	

REMOVE QUANTITY

If the user wants to remove the quantity, a following screen displays that asks about the number of quantity to remove.

ficrosoft.VisualBasic.Core	>
How much quantity that you want to remove for Remover. Avalaible Quantity 54:	OK
	Cancel
30l	

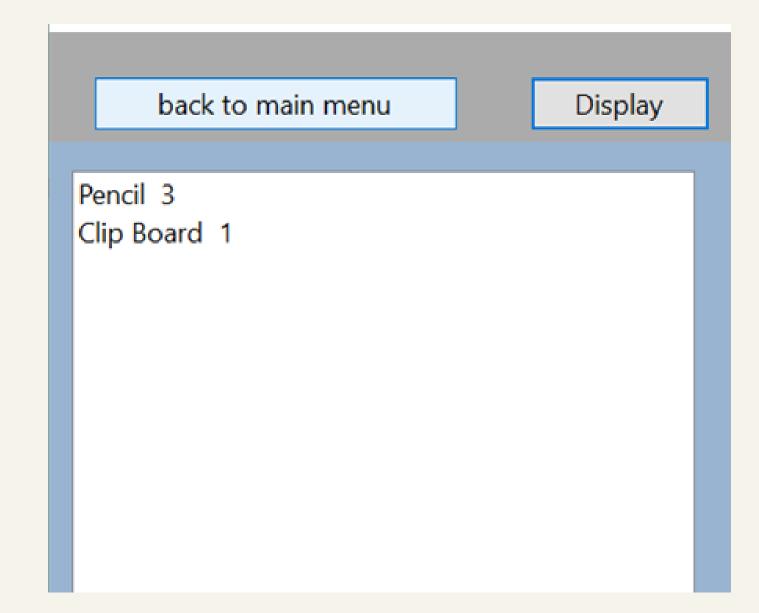
DELETE ITEM



The updation functionality also provides with the option to delete an item from the list if not desired anymore.

DISPLAY

The User can view the final list by clicking on the display button. The display shows the shopping cart of the user with all the products they are willing to buy with the total price.



CHECKOUT

After viewing the list, if the user is satisfied with the products quantity and amount then it proceeds to checkout. The user is first ask to pay the bill. There are two options down there to pay by cash or card.

■ listform			<u> </u>	_		×
back to main menu	Display	Check out	Total Price:	15960		
Through Cash						
Through Card						
Discount: 50	Sales Tax: 7.5					
Discourit. 30	Sales lax. 7.5				Park I	
Total price after discount and	d Sales Tax: 8578.5000)		Check out		

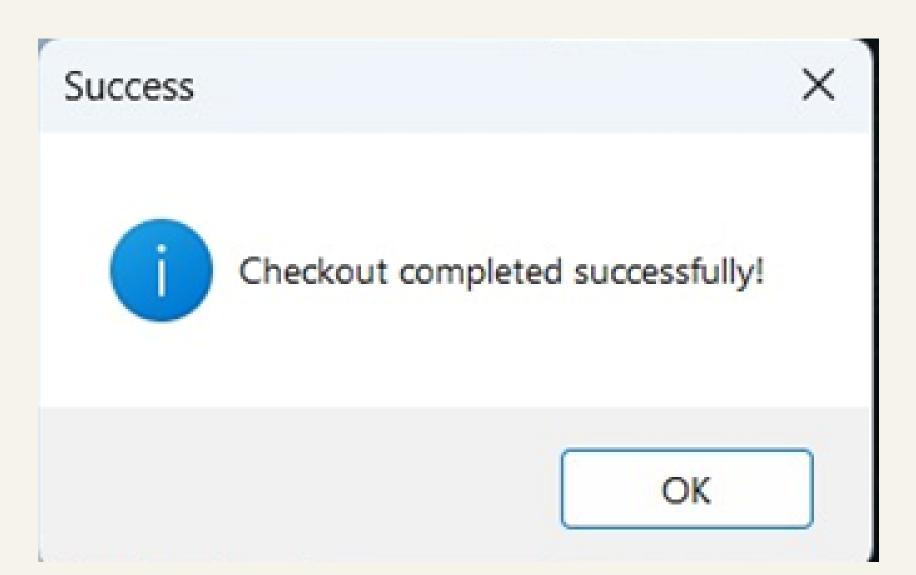
PAYMENT BY CASH

If the user is willing to pay by cash, then a following screen will be displayed.

back to main menu	Display	Check out	Total Price:	1070
Through Cash				
Through Card				
Discount: 25	Sales Tax: 7.5			
Total price after discount and S	Sales Tax: 862.68750			Check out

SUCCESFUL CHECKOUT

After paying the bills, the user proceeds to check-out. Check-out confirms the user order and dispatches it further. A successful checkout message box appears on the screen



DISCOUNTS AND SALES TAX

Discount Criteria:

On Cash

Total price >= 800:10%

Total price > 1000: 25%

Total price > 5000: 35%

Total price > 15000: 50%

On card

Total price >= 800: 15%

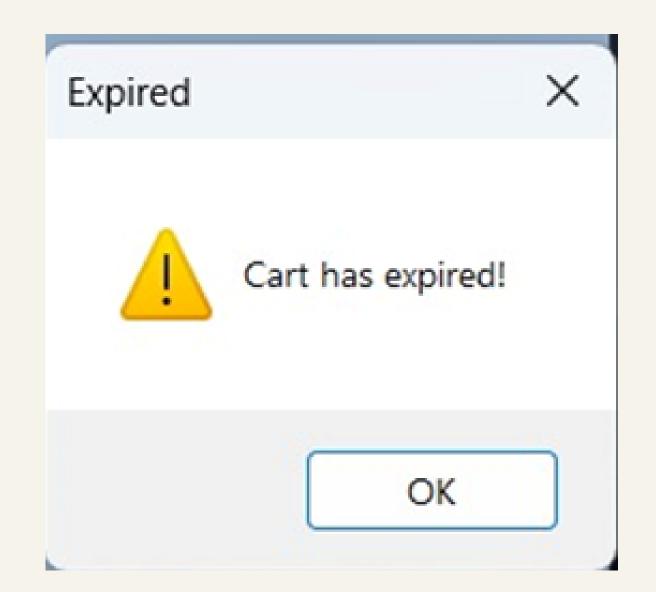
Total price > 1000: 30%

Total price > 5000: 40%

Total price > 15000: 50%

CART EXPIRATION

This is the functionality of cart validation. The cart has a timer of fifteen seconds. The user has to confirm his order in fifteen minutes to proceed successful checkout. Other wise the other scenario appears that leads the cart to be expired. This displays a message box on the screen that prompts a message of cart expiry.



PRODUCT RECOMENDATION

This gives the user some extra recommendations on the basis of the items they have purchased or added to cart. This makes the user's shopping experience more fun and easy. Like if the user has added a rubber to their cart, so a recommendation of pencil and sharpener appears.

Recoomeded Items:

Shapner - Price: 40

XYZ - Price: 90

Pencil - Price: 90

SALES TAX

Discount: 25 Sales Tax:	7.5	
Total price after discount and Sales Tax:	862.68750	Check out

THANKYOU