

**DEPARTMENT OF COMPUTER & INFORMATION SYSTEMS ENGINEERING
BACHELORS IN COMPUTER SYSTEMS ENGINEERING**

Course Code: CS-116

Course Title: Object Oriented Programming

Complex Engineering Activity

FE Batch 2021, Spring Semester 2022

Grading Rubric

TERM PROJECT Group

Members:

Student No.	Name	Roll No.
S1	Tooba Umer	CS-117
S2	Maha Zubair	CS-116
S3	Abdul Moiz Abid	CS-140
S4	Sameed Fayiz	CS-127

CRITERIA AND SCALES				Marks Obtained		
				S1	S2	S3
Criterion 1: Does the application meet the desired specifications and produce the desired outputs? (CPA-2)						
1	2	3	4			
The application does not meet the desired specifications and is producing incorrect outputs.	The application partially meets the desired specifications and is producing incorrect or partially correct outputs.	The application meets the desired specifications but is producing incorrect or partially correct outputs.	The application meets all the desired specifications and is producing correct outputs.			
Criterion 2: How well is the code organization?						
1	2	3	4			
The code is poorly organized and very difficult to read.	The code is readable only to someone who knows what it is supposed to be doing.	Some part of the code is well organized, while some part is difficult to follow.	The code is well organized and very easy to follow.			
Criterion 3: How friendly is the application interface? (CPA-2)						
1	2	3	4			
The application interface is difficult to understand and use.	The application interface is easy to understand and but not that comfortable to use.	The application interface is very easy to understand and use.	The application interface is very interesting/innovative and easy to understand and use.			
Criterion 4: How does the student performed individually and as a team member? (CPA-1, CPA-2)						
1	2	3	4			
The student did not work on the assigned task.	The student worked on the assigned task, and accomplished goals partially.	The student worked on the assigned task, and accomplished goals satisfactorily.	The student worked on the assigned task, and accomplished goals beyond expectations.			
Criterion 5: Does the report adhere to the given format and requirements?						
1	2	3	4			
The report does not contain the required information and is formatted poorly.	The report contains the required information only partially but is formatted well.	The report contains all the required information but is formatted poorly.	The report contains all the required information and completely adheres to the given format.			
Total Marks:						

1)PROBLEM DESCRIPTION:

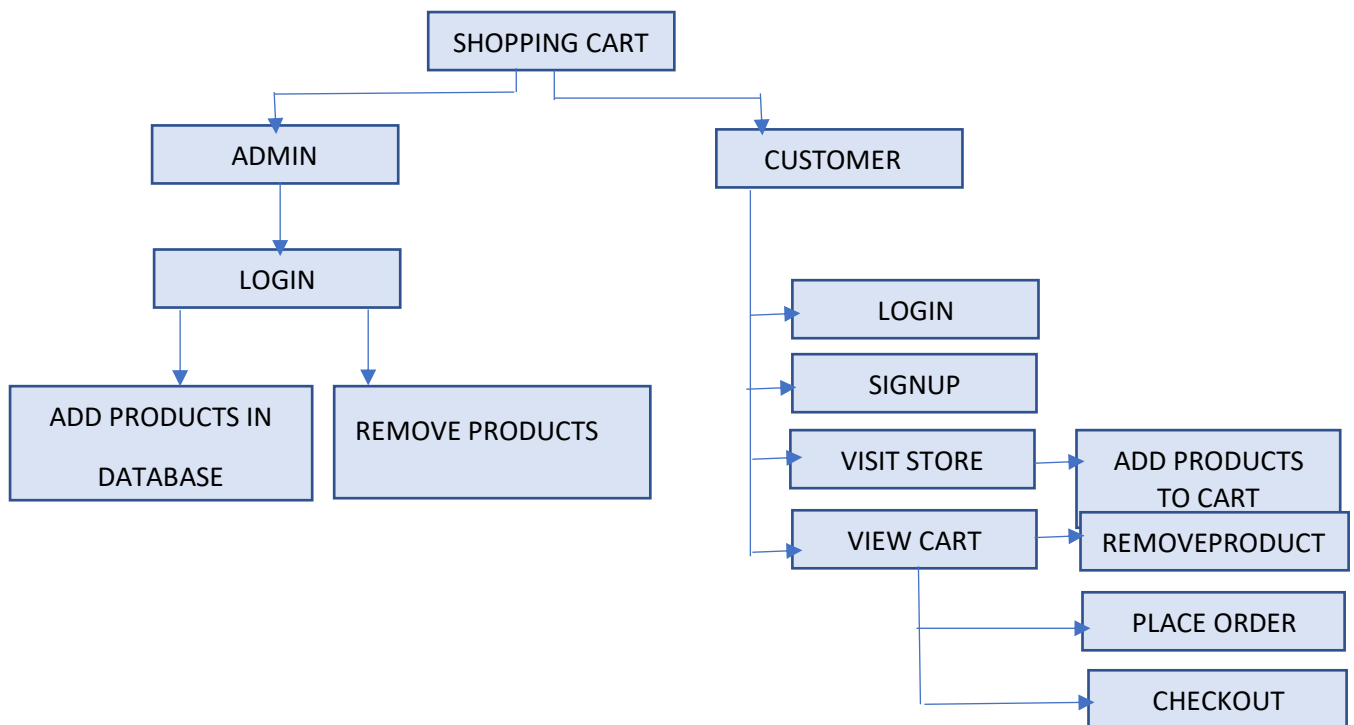
Online shopping cart is a virtual shopping trolley, where shoppers can put all of their want-to-buy products in, review to make adjustments in quantity, product attributes, etc., and remove it before or during the checkout if they change their mind.

2)LIST OF OBJECT-ORIENTED FEATURES IMPLEMENTED:

Following are the object-oriented features we have implemented in our project:

- Method overriding
- Exception Handling
- Association
- Inheritance
- Abstract class

3)FLOW OF THE PROJECT:



NOTE:

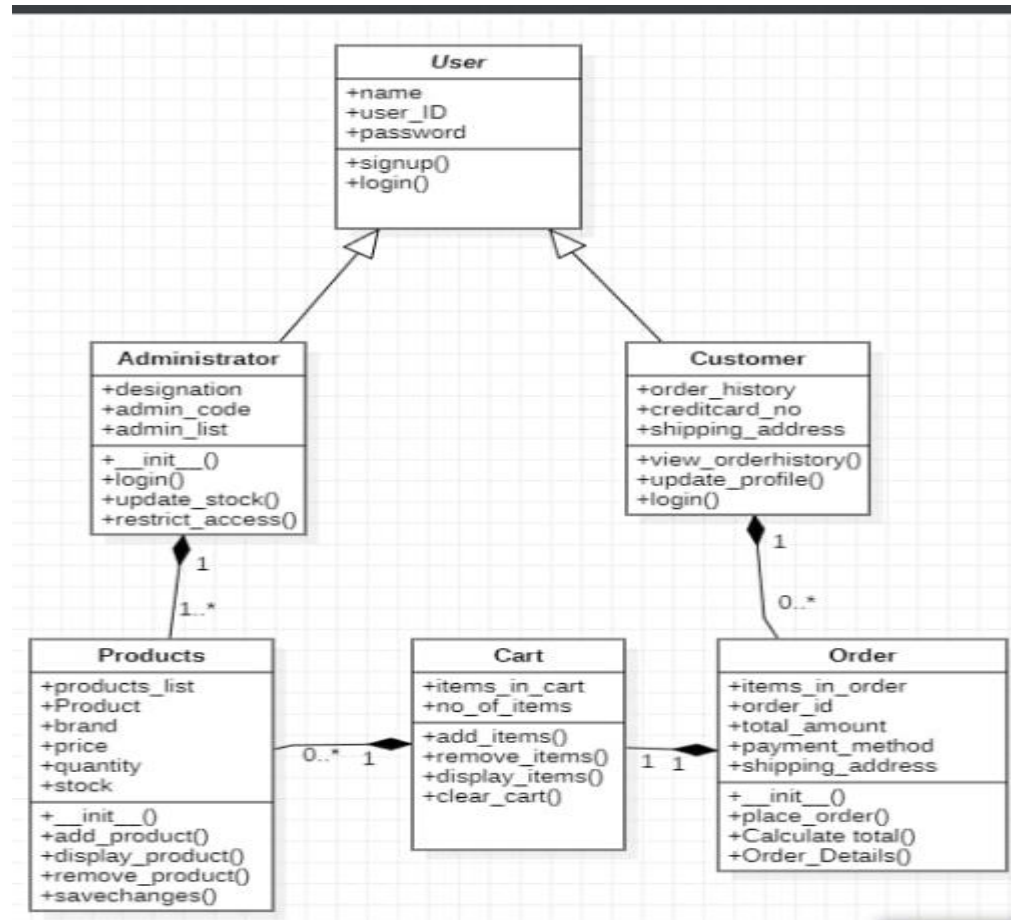
LOGIN CREDENTIALS:

The admin will enter the application using this username and password:

Username: sameed

Password: sam123

4)CLASS DIAGRAM:



5)MOST CHALLENGING PART IN THE PROJECT:

The most challenging part while working on the project was synchronising GUI all over the project and to assemble different parts of code in a systematic manner.

6)NEW THING LEARNT IN PYTHON:

The new things we have learnt while working on the project are:

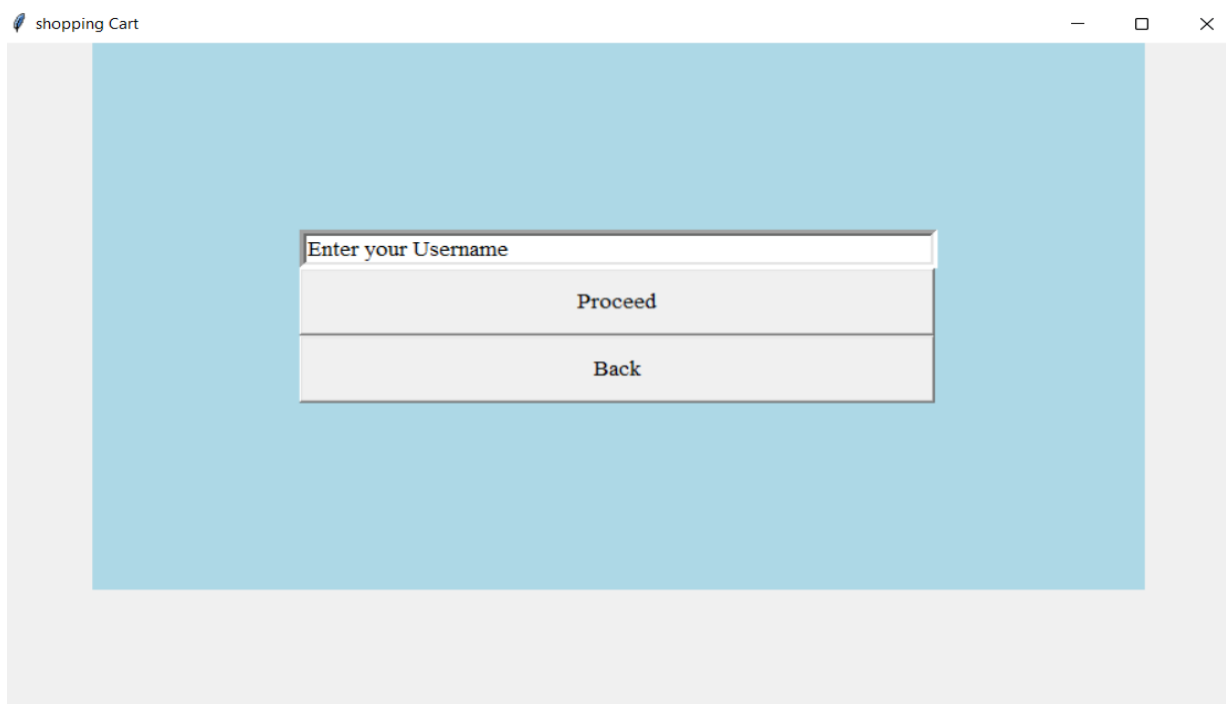
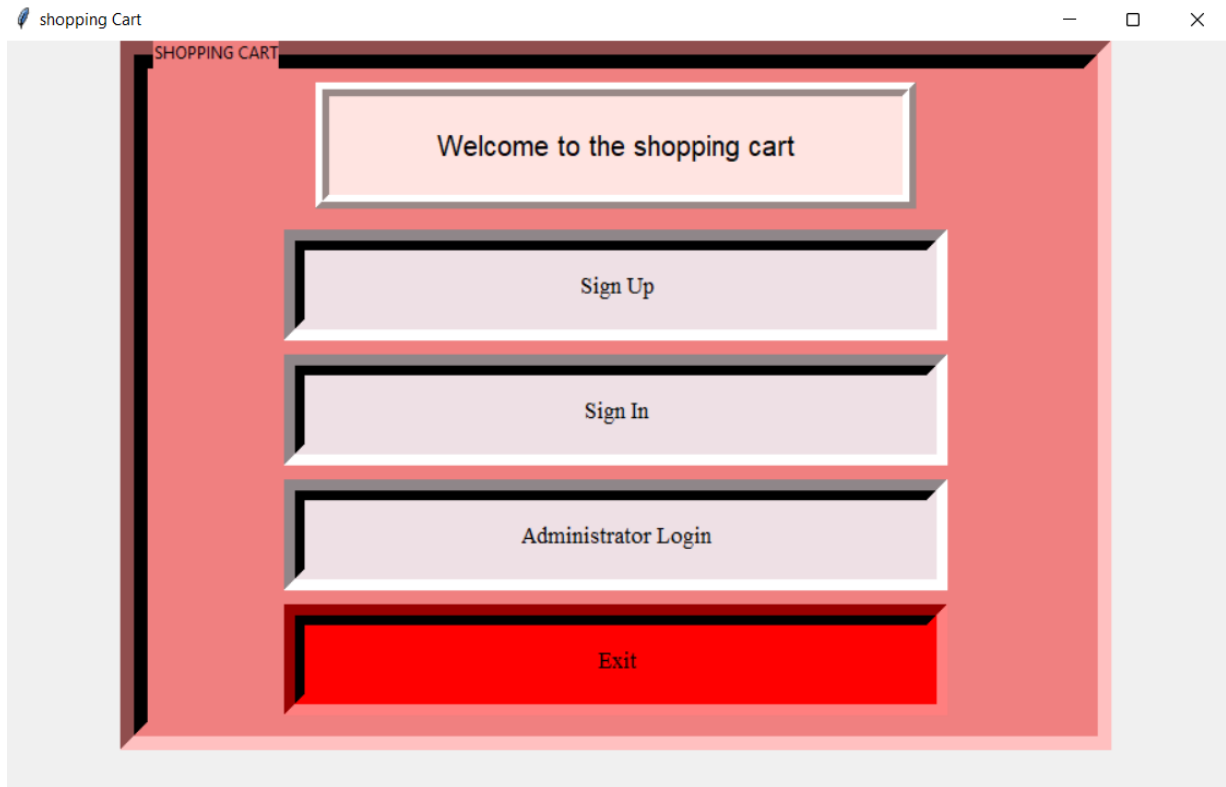
- Event handling in GUI.
- Use of various modules
- Major Object-Oriented Programming Concepts

7)FUTURE EXPANSIONS:

- We look forward to design our projects on web interface.
- We hope that we will be able to add payment process in future.

- In this project, adding a Database will be an ideal choice.
- Connecting this app to APIs such as Google Maps for shipping purpose.

8)TEST CASE RUNS:



Account Information

View Order History

View Store

Back

ACCOUNT INFORMATION

Username: sameed

Edit

Password: *****

Edit

Email Address: xxx

Edit

Credit Card info: xxx

Edit

Shipping Address: xxx

Edit

Back

Select one Category

Fruits

Vegetables

Fish

Meat

Beverages

Back

shopping Cart

Add to cart

Enter Quantity of product

Add

Back

Products:	Items in stock:	Price:	View Cart
tomato	3000kg	50Rs/kg	Add to Cart
potato	3456kg	30Rs/kg	Add to Cart
onions	3243kg	60Rs/kg	Add to Cart
eggplant	2424kg	50Rs/kg	Add to Cart
cauliflower	1212kg	70Rs/kg	Add to Cart

Back

shopping Cart

Products:	Quantity	Price:	Remove
potato	5	150	X
mutton	1	800	X
coca cola	1	100	X
mango	2	240	X
watermelon	2	800	X

Back

shopping Cart

Display Products

Add Products

Remove Products

Back