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Title: Pizza Point of Sale

Project Summary: This project models a pizzeria, with admin and customers as actors. The objective is to get customer preference and place the order. The customer is notified back when his order is ready for pick-up. If home delivery is requested, it is done through delivery agent. The admin has the power to change and fix the daily menu. He can also view/edit/delete customer orders and stock groceries. This project can also be extended to track the pizza delivery process.

Project Requirements:

Functional Requirements:

Number	Requirement	Responsibility
F-01	User can view the menu and customize the order.	Enable a cart option
F-02	User must be able to view the total price of the order and can edit/delete the order	Show cart details to the user
F-03	For home delivery, user must choose a delivery time within the particular day	Allow home delivery only within a day's time frame
F-04	Admin must be able to change daily menu and stock groceries	Enable admin to view availability of groceries
F-05	Admin can add or delete or edit the orders	Show order details for the Admin
F-06	Admin can track pizza delivery	Enable track delivery option for Admin
F-07	Payment must be done through either credit card or Paypal	Show only Credit card and Paypal options in the payment page
F-08	User and Admin can login	Validate login credentials

UI Mockups:

The following model shows how an user interacts with the application, through a command-line GUI.

Welcome to Pizzeria
Choose your options

1. Customer login
2. Admin login
3. Exit

Welcome Admin

Choose what you want to do

1. View Orders
2. Change Menu
3. Stock Materials
4. Exit

Welcome Customer

Choose what you want to do

1. View Menu
2. View Cart
3. Exit

Today's Orders

2x Pepponi - 400
10x Cheese -
B Back
E Edit

Menu

1 Pepponi
2. Cheese
E Edit
B Back

Pizzeria Menu

1. Make custom Pizza
2. View Available Pizzas

Materials available

cheese - 80 packets

Base - 40

Pepponi

S Stock

B Back

Custom Pizza

1. Veg / NonVeg
2. Choose Toppings
3. Choose Base
4. Choose Side

View cart details

1x Cheese Extravaganza

1. Remove Order
2. Edit Order
3. Confirm

Available Pizza (Choose your order)

1. Pepponi
2. Cheese Extravaganza

Choose Payment Method

1. Paypal
2. Credit card

Enter Payment Details

1. Enter card No
2. Expiration date
3. Code
4. Confirm

Final Window:

Thanks for shopping

1. Go to Home
2. Exit

Class Diagram:

This projects uses the following design patterns,

1. **Observer** : For notifying the customers when the order gets ready.
2. **Factory** : For creating multiple pizza objects.
3. **Decorator** : To enable new ingredients to be added in custom Pizza.
4. **Template**: To organize the steps involved in making Pizza.

