Point-Of-Sales Project:

Introduction:

This program is a simple product ordering system that allows users to display a menu, process orders, generate receipts, and update the product database.

Problem Description :

The problem to be addressed is the difficulty of paying for items when shopping. The current payment methods available may be costly and do not offer many benefits. This creates a need for a new payment method that is affordable and advantageous to use. Additionally, the new payment method should be widely accessible to most shops to ensure convenience for consumers.

Solution:

Our solution for the difficulty in paying for items when shopping is to create a Payment Method using python. This will provide users with an affordable and practical option for making transactions. To make it even easier, we will develop an intuitive program that is simple to use. We will also design a straightforward

GUI that displays the program's screen, making it clear and accessible to everyone. This new payment solution will be widely available to most shops, ensuring its convenience for consumers.

Work Distribution:

We have separated the program into 2 parts to work on it perfectly and with each other, so

Mohamed Khaled was responsible for designing and implementing the user page and its functions. This includes to display the product menu , process an order , processes a payment for a product, updates information about a product in the product database and adds a new product to the product.

Amr Khaled was responsible for designing and implementing the admin page and its functions. This includes to read inputs from a file, print to screen and external file, generates a receipt for a product, remove a product from the product database and a simple GUI for the project.

Usage:

1. Make sure the `products.txt` file is present and contains the correct product information.

2. Run the `main.py` script using a Python interpreter.

3. Follow the on-screen prompts to navigate through the product ordering system.

4. After each order is processed, the product database is updated, and the receipt is displayed.

Note: -This program assumes that the `products.txt` file is in the same directory as the `main.py` script. If the file or its format is modified, ensure the changes are made accordingly.