MicroLink Information Technology college

Department Of CS

Section RD2CS2

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Supermarket Management System

Supermarket Management System is a console application implemented in CSharp using File as the database. This project is targeted for mainly Small supermarkets and particularly aims at automation of various management procedures such as managing sales and purchases, stock details, etc. All the details and records in the supermarket are maintained in a centralized database.

About Supermarket Management System:

It is easy to manage mini markets as the customers entering such stores are less and the items in the inventory too is less. Even with few human resource deployment and paper works, small supermarkets or mini-markets can be effectively managed. But, the case is no so with big supermarkets with tens of thousands of items in various inventories and high traffic flow of customers and retailers.

Existing System:

The existing system is very paper based in small as well as medium supermarkets. Even though the paper work and manpower requirement is less, the existing system is not very economical for these markets. Relevant and irrelevant information are entered and stored in the same place, which is very clumsy and untidy process.

In case of big supermarkets, the existing system is computerized to some extent, but it is not fully automated to cover all the aspects of the supermarket. The data entry, storing, and retrieval procedure is very inefficient. Further, there are chances of data misplacement and wrong data entry. The system is still very insecure and inflexible to adapt to user requirements.

Proposed System:

The proposed supermarket management system aims at full automation of mini supermarkets by making the system reliable, fast, user-friendly, and informative. It reduces paperwork, manpower requirement, and increases the productivity of the supermarket. Using this application, one can add, modify, update, save, delete, and print details. There's also a search feature to find products available in the supermarket.

Features:

•It reduces the time and manpower required for management and maintenance of different tasks.

•It reduces the paper work in existing system, hence it is economical and efficient.

•With this system, customers get quality of service; customers can even give feedback which can be stored in the database.

•This system is very secure, user-friendly, and reliable.
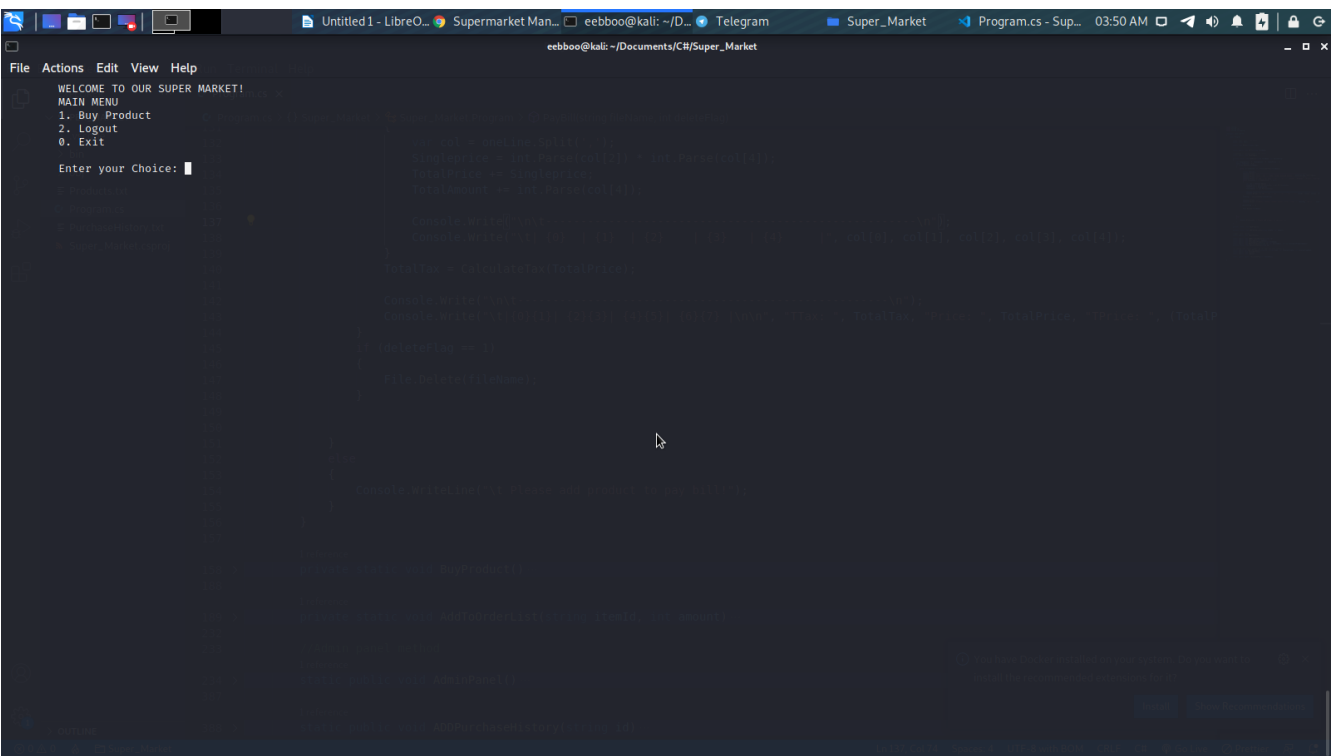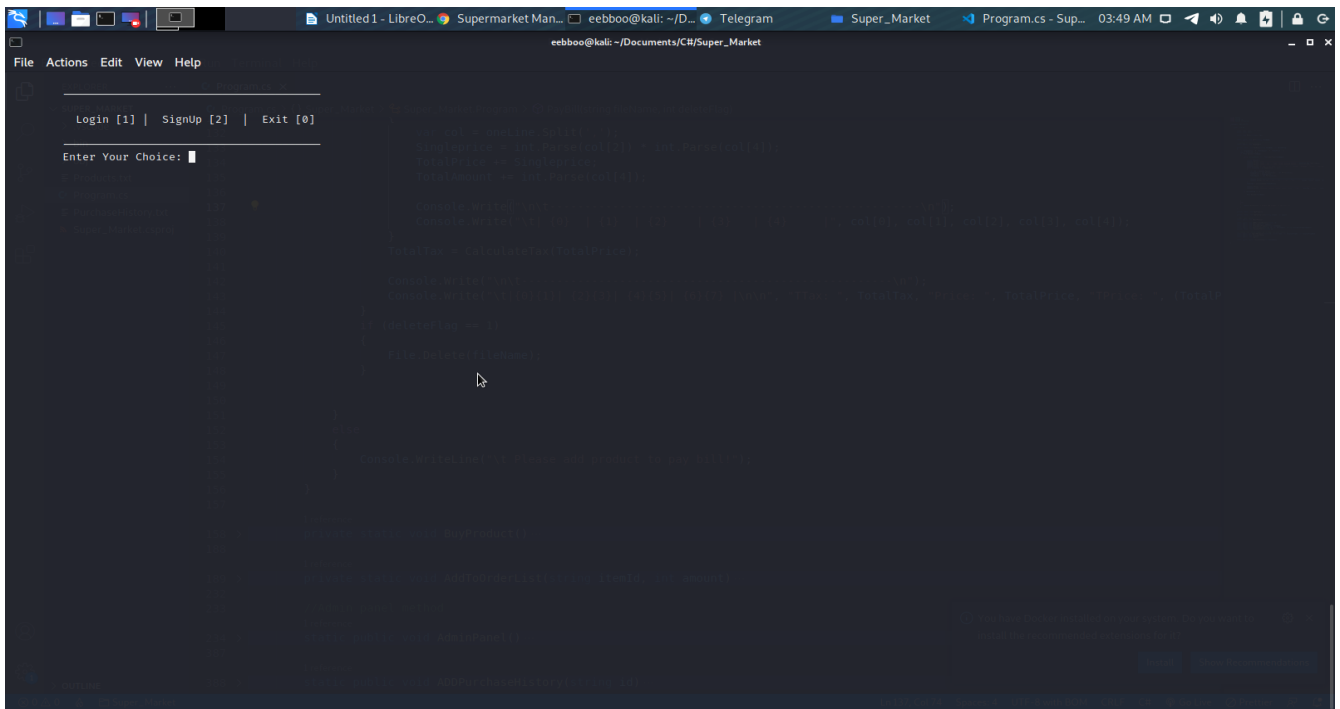
Modules Overview:

The main modules in supermarket management system are:

•**Administrative Or Sales module**: This module is handled by an admin who has full control over the system. Admin is required to log in to the system with a unique user id and password(admin, admin). They have control over all the modules and features of the system.

•**Purchase module**: This module stores all the purchase details of the supermarket.

•**Billing module**: With the help of this module, all the payment details based on purchases and sales can be shown.

Notice: To login as Administrator Username: **admin** Password: **admin** And also to login as seller or user default password was Username: **csharp** Password: **1**

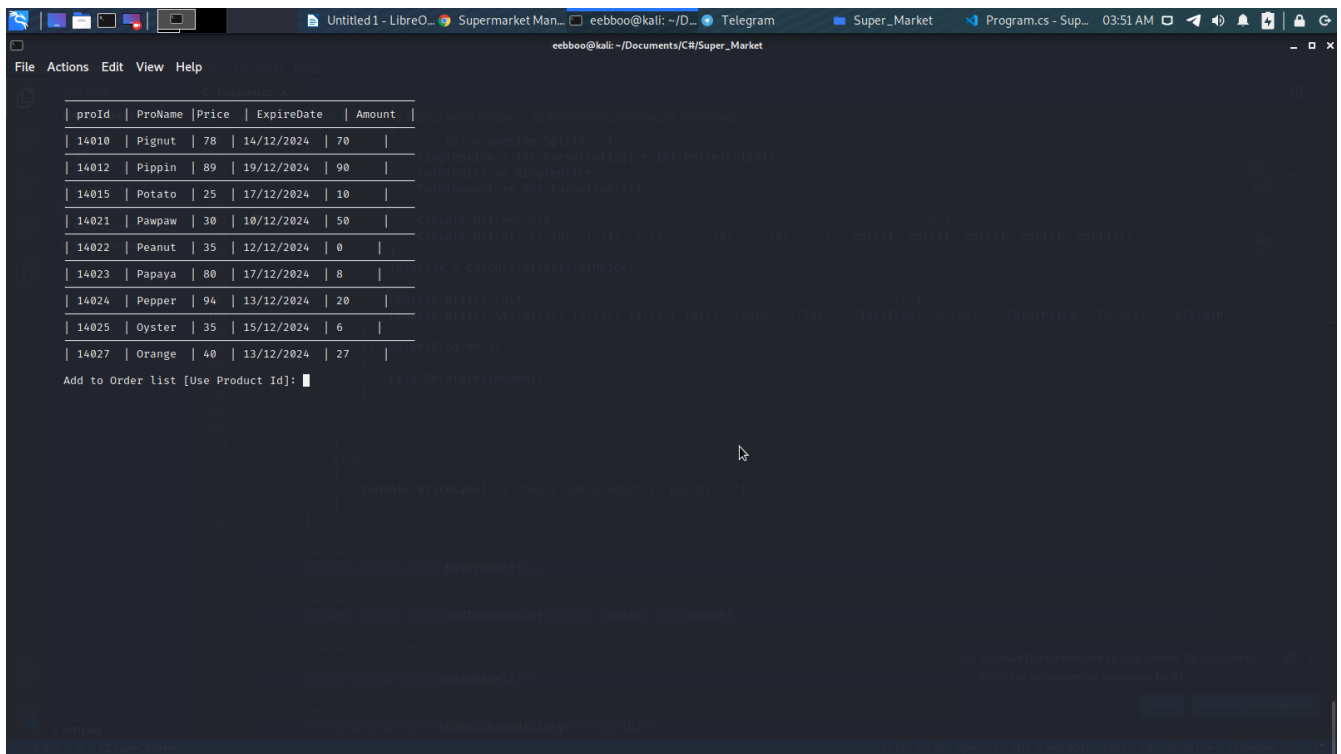**Project Screenshots:**

1. Login Screen

2. Sales and User Dashboard

3. Admin Panel

WELCOME TO OUR SUPER MARKET ADMIN PANEL!
ADMIN MENU
1. Add Product
2. Display All Product
3. Modify Product
4. Delete Product
5. Search Product By Id
6. Search Product By Name
7. Sort by Id
8. Display Purchase History
9. Logout
0. Exit

Enter your Choice:

4. Buy Product Dashboard

Conclusion:

The proposed supermarket management system is very useful for small supermarkets as well as mini ones to manage their inventories, products, and records of purchases and sales. New features and modules can be easily added into the system, so the project is very flexible and can adapt to the requirements of the supermarket and its users.