Sangolqui, 8ht may, 2024

UNIVERSIDAD DE LAS FUERZAS ARMADAS "ESPE"

ORIENTED OBJECT PROGRAMMING (OOP)

NRC: 14539

MEMBERS: Molina Gabriel, Oña Leydi, Padilla Marco, Pilaguano David

GROUP: #4

Leader: Molina Gabriel

Name your team: CodeCrafting Engineers (CCE)

Main idea for the project: "Inventory Management System"

The purpose of this project is to create a complete inventory management system, designed specifically to meet the inventory control and management needs of companies. This software will offer advanced tools for stock tracking, supplier management, input and output control, and detailed reporting.

The system will be composed of various interconnected modules that will address all critical areas related to inventory management, from the receipt of goods to supply chain optimization.

Main Requirements for the Software:

Inventory Management:

- It must generate alerts when stock levels are low and suggest reorder quantities.

Cash Register Integration:

- It must provide daily, weekly, and monthly sales reports for financial tracking.

Product Management:

- It must allow easy updates to product lists, prices, and descriptions.

Order and Sales Processing:

- It must record detailed sales information, including customer data, order contents, and payment status.

User Access and Security:

- The system must have user authentication and role-based access control to ensure security.

Support and Assistance:

- It must have an option to contact support for troubleshooting and assistance.

Conclusion:

The management software for the bakery must be comprehensive and flexible, covering critical functions such as inventory management with stock alerts, detailed financial reports, easy product updates, detailed sales records, analytical report generation, security through access control and authentication, and robust technical support. This approach will ensure efficient operations, better financial control, and an improved customer experience.