Project Title: Online Retail Store Management System using Linux Systems Programming

Objective:

The objective of this project is to develop an online retail store management system using Linux systems programming. The system should be able to manage the entire inventory of the store and process orders from customers in a timely and efficient manner. The project aims to develop a fully functional and user-friendly online retail store management system that can help businesses streamline their operations, increase productivity, and boost profitability.

This project provides an opportunity for computer science engineering students to gain practical experience in developing a real-world application using Linux systems programming.

Features:

- User-friendly interface for managing the inventory, sales, and customer information
- Real-time inventory management for tracking stock levels and automatically updating the system when items are sold
- Secure login and authentication system for admin and customers
- Ability to add, modify, and delete products from the inventory
- Online payment processing for accepting payments from customers
- Order processing and tracking for managing orders from placement to delivery
- Reporting and analysis tools to track sales, revenue, and inventory levels

Technology Stack:

- Linux operating system
- C programming language
- MySQL database management system
- Apache web server

Deliverables:

- A functional online retail store management system developed using Linux systems programming
- Documentation including design documents, user manuals, and installation guides
- Demonstration video showcasing the features and functionality of the system
- Presentation slides summarizing the project, its objectives, and the technology used

Open terminal --> admin or user.
Add/Delete a product (admin)
Locking using semaphore.
While updating or deleting a product, the user can't add that product to cart.
Pr_id, pr_name, cost.
display cart.
add to / remove from / change quantity in cart.
Can add varying number of multiple products.
navigate to menu to pay. (before that, check available quantity, if products in cart are locked)
decrease available quantity only when a customer initiates payment.
Payment page: display info, total, enter amount to pay and pay. ---> LOG FILE