Problem Statement

Levi – Smart Fast Food Billing System

In the fast food industry, speed, accuracy, and efficient management play a crucial role in customer satisfaction and business growth. Many small and medium fast food restaurants still depend on manual billing or partially computerized systems, which often result in billing errors, slow order processing, difficulty in managing food items, lack of proper inventory tracking, and inefficient maintenance of sales records. Manual systems also make it difficult for management to analyze daily or monthly sales and to take data-driven business decisions.

Another major issue with traditional billing systems is the absence of role-based control. In many cases, the same user performs all operations, which can lead to unauthorized price changes, incorrect billing, and poor accountability. Additionally, generating accurate invoices, applying taxes and discounts correctly, and maintaining payment records become complex and time-consuming when done manually. Inventory updates are often delayed or inaccurate, resulting in either stock shortages or wastage of food items.

To overcome these limitations, **Levi – Smart Fast Food Billing System** is proposed as a web-based application that automates the complete fast food billing process. The system introduces **role-based access control**, where the **Admin** manages food items, prices, tax configuration, inventory, and sales reports, while the **Cashier** is responsible only for order processing, billing, and payment handling. The system ensures automatic calculation of total amount, taxes, discounts, and generates professional invoices for customers.

Levi also provides real-time inventory management, where stock levels are updated automatically after each transaction and low-stock alerts help in timely restocking. The reporting and analytics module enables management to view daily and monthly sales, best-selling items, and overall revenue performance. By digitalizing the billing and management workflow, the proposed system aims to reduce human errors, improve operational efficiency, enhance customer experience, and provide better control and transparency for fast food business owners.