

SOFTWARE REQUIREMENT SPECIFICATION (SRS)

Levi – Smart Fast Food Billing System

1. Introduction

1.1 Purpose

The purpose of this document is to describe the functional and non-functional requirements of the Levi – Smart Fast Food Billing System. This SRS serves as a reference for developers, testers, and evaluators to understand system behavior and scope.

1.2 Scope

Levi is a web-based Fast Food Billing System designed to:

- Automate billing operations
- Manage food items and inventory
- Generate invoices
- Process payments
- Provide sales analytics and reports

The system is suitable for small to medium fast food restaurants.

1.3 Definitions

- Admin: User with full system control
- Cashier: User responsible for billing and payments
- RBAC: Role-Based Access Control
- Invoice: Generated bill for customer order

2. Overall Description

2.1 Product Perspective

Levi is a standalone web application accessible via browser. It uses a centralized database to store food items, orders, payments, and reports.

2.2 User Classes and Characteristics

User	Description
Admin	Manages food items, prices, stock, tax, reports
Cashier	Handles orders, billing, and payments

2.3 Operating Environment

- Browser-based system
- Works on desktop, tablet, and mobile
- Requires internet connection

2.4 Constraints

- Payment gateway is simulated
- Internet dependency
- Limited to fast food billing domain

3. Functional Requirements

3.1 Authentication Module

- System shall allow Admin and Cashier to log in
- System shall restrict access based on user role

3.2 Food Management (Admin)

- Admin can add, update, and delete food items
- Admin can set food prices and categories
- Admin can upload food images
- System shall disable items when stock reaches zero

3.3 Order Management (Cashier)

- Cashier can search and select food items
- System shall calculate total price automatically
- Cashier can modify quantity in cart

3.4 Billing System

- System shall generate a unique invoice ID
- System shall calculate tax and discounts
- System shall generate printable bill
- System shall store billing history

3.5 Payment System

- System shall support cash, UPI, and card payments (mock)
- System shall show payment status
- System shall calculate change for cash payments

3.6 Inventory Management

- System shall reduce stock after each order
- System shall show low-stock alerts

3.7 Reports & Analytics

- Admin can view daily and monthly sales reports
- System shall display best-selling items
- Admin can export reports

3.8 Settings Module

- Admin can configure tax percentage
- Admin can update restaurant details

4. Non-Functional Requirements

4.1 Performance

- System should respond within 2 seconds
- Billing process should be real-time

4.2 Security

- Password-protected login
- Role-based access control

4.3 Usability

- Simple and intuitive UI
- Minimal training required

4.4 Reliability

- Data should not be lost during transactions

4.5 Scalability

- System should handle multiple orders simultaneously

5. Assumptions and Dependencies

- Users have basic computer knowledge
- Internet connectivity is available
- Payment gateway is simulated

6. Conclusion

The Levi – Smart Fast Food Billing System provides a complete digital solution for fast food businesses by automating billing, inventory management, and reporting. The system improves accuracy, efficiency, and customer satisfaction while offering managerial control through analytics and reports.