

# 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.