

Software Requirements Specification (SRS)

Inventory, Billing & Account Management System

Objective:

To develop a responsive web-based system to manage inventory, invoices (GST and Non-GST), delivery challans, staff and office expenses, company finances, and generate reports for improved operational and financial control.

1. Functional Requirements:

- Inventory Management: CRUD products, stock alerts, adjustment logs, supplier linkage.
- Delivery Challans: Auto-numbered, linked to invoices, PDF/Print, status tracking.
- Invoicing System: Sales/Purchase Invoices, GST/Non-GST, email & print support.
- Account Management: Company/vendor ledgers, outstanding balances, filters.
- Expense Module: Track by person/category/date with reports.
- Cash Flow: Manual/linked entries, daily/monthly reports.
- Reports Center: Stock, sales, purchase, GST, P&L, expenses, cash summary.
- Roles & Permissions: Admin, Accountant, Operator, Staff roles.

2. Non-Functional Requirements:

- Responsive Design
- Secure (HTTPS, Access Control)
- Exportable Reports (PDF/Excel)
- Notification System
- Auto Backup Support

3. Technology Stack:

- Frontend: React.js / Vue.js
- Backend: Node.js / Laravel
- Database: MySQL / PostgreSQL
- Hosting: Firebase / AWS / DigitalOcean
- Security: HTTPS, JWT

4. Timeline (4 Weeks):

- Week 1: UI/UX, Setup, Auth, DB Design
- Week 2: Inventory, Challans, Invoicing
- Week 3: Expenses, Cash Flow, Reports
- Week 4: Roles, Notifications, Testing, Deployment

5. Adjusted Budget Breakdown (PKR 50,000):

| Category | Allocation (PKR) | % of Budget |
|----------------------|------------------|-------------|
| UI/UX Design | 7,000 | 14% |
| Frontend Development | 15,000 | 30% |
| Backend Development | 18,000 | 36% |
| Database Integration | 6,000 | 12% |
| Testing & QA | 4,000 | 8% |
| Total | 50,000 | 100% |