

Proposal: Accounting Software for Basic Financial Functions & Reporting

Project Objective: To build an intuitive, modular accounting system optimized for small to medium-sized businesses. The system should simplify the process of recording transactions, generating compliant financial statements, and supporting administrative and audit workflows.

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System Features Overview



Core Accounting Engine

- Double-entry accounting logic
- Auto-balancing journal entries
- Multi-currency support (optional)



Data Entry & Transaction Recording

- Sales, purchases, expenses, and other journal entries
- Bank transactions and manual adjustments
- Import bulk CSV transactions



Chart of Accounts

- Pre-built default accounts (customizable)
- Grouping and account-type logic (Assets, Liabilities, Income, etc.)
- Opening balances import



Invoice and Billing

- Create customer invoices and supplier bills
- Tax and discount configurations
- Payment tracking, reversals, and credit/debit notes

Books of Accounts & Financial Reports

Books of Accounts

- Sales Journal
- Purchase Journal
- Cash Disbursement Book
- Cash Receipts Book
- General Journal
- General Ledger (real-time)

Financial Reports (Exportable)

- Trial Balance
- Income Statement
- Balance Sheet
- Cash Flow Statement
- Statement of Changes in Equity

Reports can be downloaded in PDF, Excel (XLSX), or CSV format.

System Configuration & Administration



Settings Panel

- Currency, date formats, fiscal year setup
- Auto-numbering options for transactions
- Custom branding (logos, invoice templates)



Admin & User Roles

- Create users with roles: Admin, Accountant, Viewer, etc.
- Set fine-grained permissions (view, create, edit, delete)
- Reset passwords, deactivate users



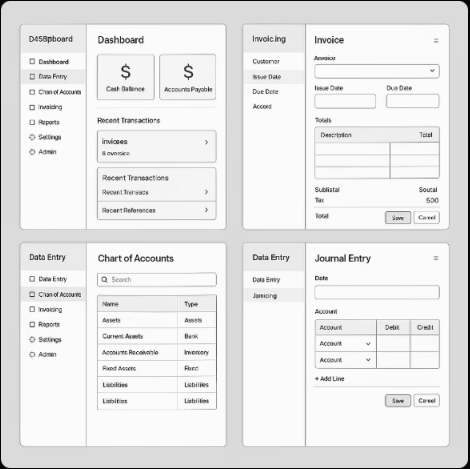
Audit Logs

- Action tracking (login, edit, delete, export)
- Timestamped change history
- Exportable logs for audits

Tech Stack Recommendation

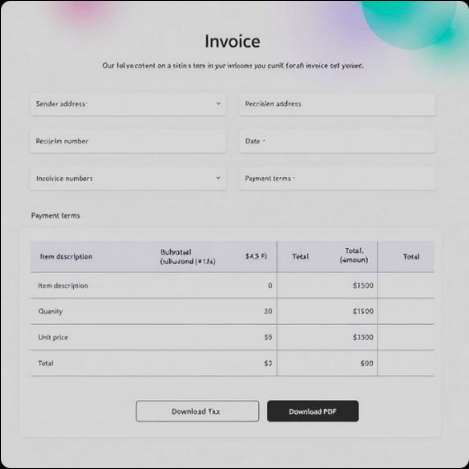
Layer	Suggested Stack
Frontend	React.js or Next.js
Backend	Node.js (Express) or Java Spring Boot
Database	PostgreSQL or MySQL
Authentication	JWT-based with crypt password hashing
PDF Generation	Puppeteer / PDFKit
Deployment	AWS (EC2/S3/RDS)

Sample Wireframes & UI Components



Dashboard Overview

A quick summary screen showing balances, outstanding invoices, and latest entries.



Invoice Generator

Step-by-step creation form with optional tax & discount rows and PDF preview before saving.

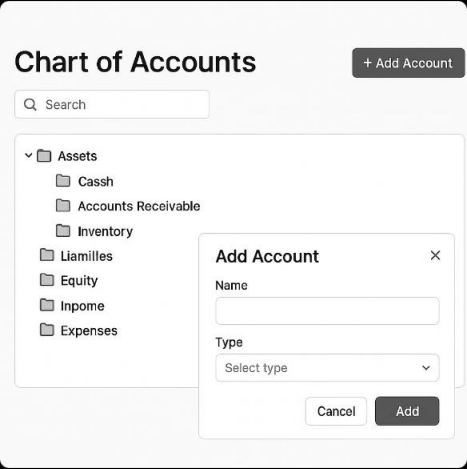


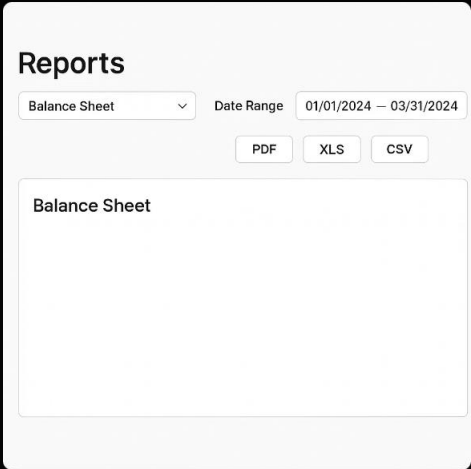
Chart of Accounts Page

Tree-view with grouping and search, "Add Account" with type selection.



Journal Entry Screen

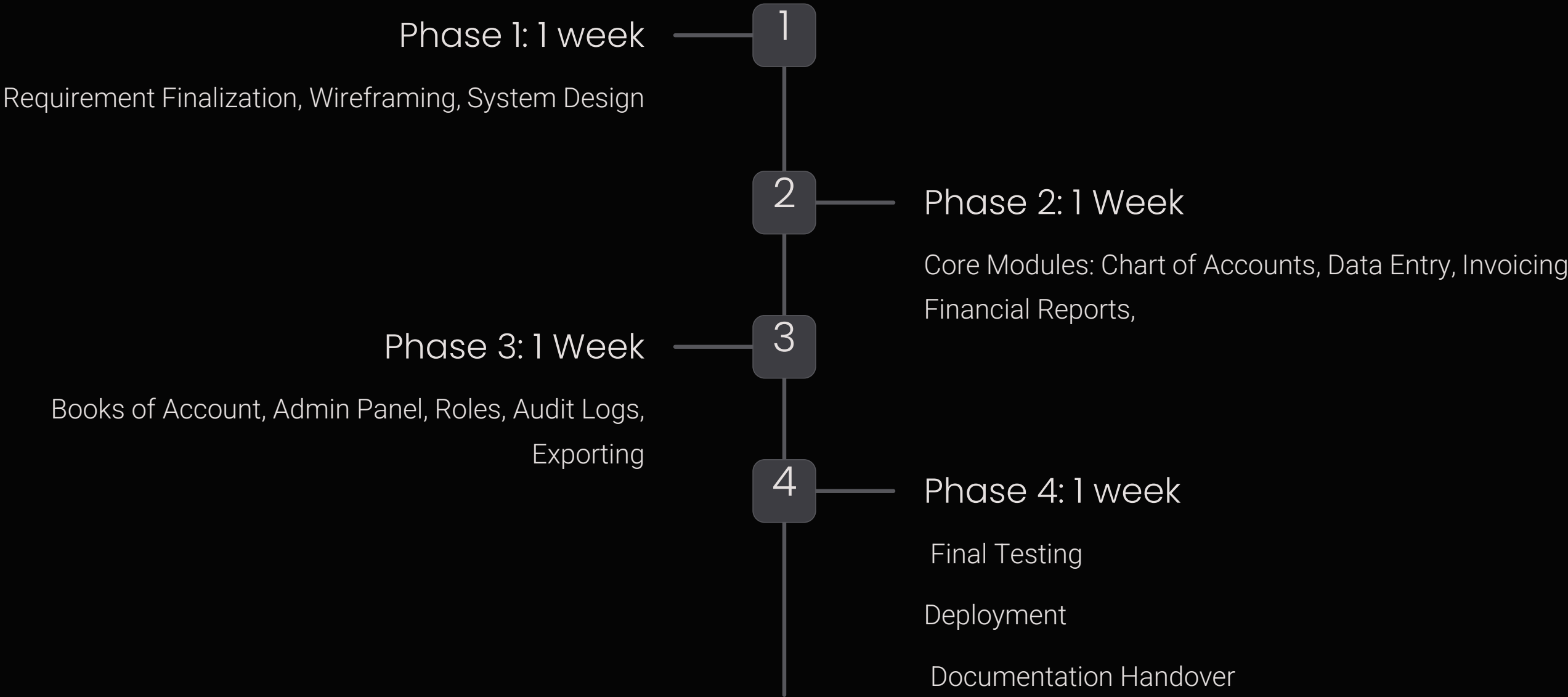
- Dual-column input (debit/credit)
- Auto-balance validation
- Date filtering & batch uploads



Reports Page

- Dropdown to select type (e.g., Balance Sheet)
- Date range filter
- Export buttons: [PDF] [XLS] [CSV]

Development Timeline



Total Time: 4 weeks

Deliverables & Sample Work

Deliverables

- Fully working web-based accounting software
- Source code (with Git repo access)
- Admin and user documentation (PDF)
- Deployment support (e.g., AWS, custom server)
- Optional: Mobile-friendly responsive layout



Sample Work or Reference

While this is a custom project, I have developed similar features for small ERPs, including:

- Inventory and Invoice Modules with tax rules
- Admin dashboards with PDF exports and audit logs
- Role-based accounting tools with Stripe and PayPal integrations

I can share screenshots, demo credentials, or access to a GitHub repo (upon NDA or request).