

Vasu Traders Website Development Plan

Project Plan: Vasu Traders Website Development

Overview

Develop a digital platform for "Vasu Traders" to manage mobile accessories trading, distribution, and delivery driver job listings.

Workflow Breakdown (Step-by-Step with Small Workloads)

Phase 1: Planning & Design

1. Define requirements (feature list, users)
2. Create wireframes for Admin, Customer, and Delivery panels
3. Design branding (logo, colors, font)
4. Setup GitHub repository & Notion board

Phase 2: Frontend Development

1. Setup React.js + Tailwind project
2. Build reusable components (Navbar, Footer, Buttons)
3. Customer panel - Homepage, Product list, Product details
4. Delivery panel - Login, Route view, Delivery status
5. Admin panel - Dashboard UI, Order table UI
6. Job Apply form UI (Delivery Driver)
7. Role-based routing with react-router-dom

Phase 3: Backend Development

1. Setup Node.js + Express.js backend
2. Connect MongoDB Atlas
3. Create models (User, Product, Order, DeliveryJob)
4. Setup authentication (JWT, bcrypt)
5. Create APIs:
 - /login, /register
 - /products, /orders

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- /apply-delivery
- /admin/* secured routes

6. Role middleware logic (admin, customer, delivery)

Phase 4: Database Structure

1. User Schema (name, email, password, role)
2. Product Schema (title, description, price, stock)
3. Order Schema (user, product, status)
4. DeliveryJob Schema (location, driver info, status)

Phase 5: Integration & Testing

1. Connect frontend to backend using Axios
2. Test all flows: login, order placing, job applying
3. Handle form validations (React Hook Form / custom)
4. Error handling and loading states
5. Mobile responsiveness

Phase 6: Deployment

1. Frontend on Vercel / Netlify
2. Backend on Railway / Render
3. Domain + SSL (from GoDaddy / Namecheap)
4. Monitor with Uptime Robot or Cronjob tools

Role-Based Panel Requirements

Admin Panel

- Add/Edit/Delete Products
- View Orders
- View & manage Delivery Applications
- Analytics Dashboard

Customer Panel

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- View mobile accessories
- Add to cart and checkout
- Track orders

Delivery Driver Panel

- Login
- View assigned deliveries
- Update delivery status
- Apply for job

Suggested Team Task Allocation

Name	Role	Tasks
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Aayush	Frontend Dev	Customer panel, Delivery form UI
Priya	Backend Dev	Auth system, Product & Order APIs
Ravi	UI/UX Designer	Wireframes, Responsive layout
Neha	QA Tester	Test order flow, Driver apply flow
Manish	Project Lead	Supervise, GitHub, deployment setup

Tools to Use

- Code: GitHub
- Design: Figma / Canva
- Database: MongoDB Atlas
- Frontend: React.js + Tailwind CSS
- Backend: Node.js + Express.js
- API Tool: Postman
- Task Mgmt: Notion / Trello
- Deployment: Vercel + Railway

Recommended File Structure

/vasu-traders

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/client (React frontend)

/pages

/components

/assets

/server (Node.js backend)

/routes

/models

/controllers

.env

README.md