

# E- Commerce Website Project Document

## Project Overview

This document outlines the full project scope, client requirements, and technical specifications for developing a complete **E- Commerce Website**. The purpose is to guide both the client and development team in understanding objectives, functionalities, and deliverables.

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## Client Details

**Client Name:** *[Enter Client Name]*

**Business Name:** *[Enter Business/Brand]*

**Industry:** Retail / Online Shopping / Multi- Vendor / Custom

**Email:** *[Client Email]*

**Phone:** *[Client Contact]*

**Address:** *[Client Business Address]*

**Project Start Date:** *[DD/MM/YYYY]*

**Expected Completion:** *[DD/MM/YYYY]*

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## Project Goals

- Build a modern, user-friendly e-commerce platform.
  - Provide seamless shopping and checkout experience.
  - Optimize for desktop, tablet, and mobile devices.
  - Enable easy inventory, product, and order management.
  - Integrate secure payments.
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## Target Audience

- Online buyers looking for reliable shopping experience.
- Repeat customers with loyalty features.
- New users browsing products.
- Admin users managing products, orders, and analytics.

# Core Features

## Customer Features

- User Registration & Login (Email/Password)
- Product Browsing & Filtering
- Product Detail Page
- Add to Cart / Remove from Cart
- Checkout & Order Placement
- Payment Gateway Integration
- Order History Tracking
- Profile Management

## Admin Features

- Admin Login
  - Add / Edit / Delete Products
  - Manage Categories
  - Manage Inventory (Stock Control)
  - View Orders & Update Status
  - Manage Users
  - Dashboard Reports
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# Technical Stack

## Frontend

- React (Vite)
- Tailwind CSS
- React Router DOM
- Axios

## Backend

- Node.js + Express
- MongoDB + Mongoose
- JWT Authentication
- Stripe Payment Gateway (or Razorpay / PayPal)

## Hosting

- Frontend: Netlify / Vercel / AWS S3
- Backend: Render / AWS EC2 / DigitalOcean
- Database: MongoDB Atlas

# Deliverables

- Fully functional e-commerce web application.
- Admin Dashboard.
- Database schema & deployment.
- Documentation (User guide + Admin guide).
- API documentation.
- 30-day support & maintenance.

# Timeline & Milestones

Phase	Description	Duration
Phase 1	Requirement Analysis	3 days
Phase 2	UI/UX Design	5 days
Phase 3	Frontend Development	10 days
Phase 4	Backend Development	10 days
Phase 5	Integration & Testing	7 days
Phase 6	Deployment	2 days
Total		37 days

# Cost Estimate

**Development Cost:** *[Enter Amount]*

**Hosting Cost:** *[Enter Amount]*

**Maintenance Cost:** *[Enter Amount]*

Payment Terms: 50% advance, 30% mid-phase, 20% after delivery.

# Acceptance Criteria

- All features implemented as required.
- Website responsive on all devices.
- Payment gateway working without errors.
- Admin panel fully functional.
- No major bugs or crashes.