Hobby’s Shop BD -   
Laravel E-commerce Project Plan

# ✅ Phase 0: Planning & Setup

🔹 Project Goals

- Laravel-only full-stack e-commerce.

- Admin panel to manage products, orders, etc.

- Frontend based on a pre-built static template.

🔹 Tools & Tech Stack

- Backend: Laravel 11

- Database: MySQL/MariaDB

- Frontend: Blade + Bootstrap (from your static template)

- Auth: Laravel Breeze/Custom

# ✅ Phase 1: Project Initialization

🧱 Laravel Setup

- composer create-project laravel/laravel hobbyshopbd

- Setup .env with DB, app URL, etc.

- Setup git, .gitignore, and commit base.

🧱 Folder Structure Planning

- resources/views/frontend/

- resources/views/backend/

- resources/views/backend/layouts/

- resources/views/backend/includes/ (partials like sidebar, nav)

- app/Http/Controllers/Frontend/

- app/Http/Controllers/Backend/

# ✅ Phase 2: Authentication

🧱 Auth Setup

- Use Laravel Custom for simple login/register.

- Modify login/register views to fit your design.

- Add middleware: auth, admin (custom middleware for admin routes)

- forget password feature for customer.

# ✅ Phase 3: Database Schema & Migrations

* Make all the create , index, edit pages, tables look standard (try to align with template)

Tables:

- categories

- products

- users

- carts, cart\_items

- orders, order\_items

- reviews

Run and test all migrations.

Seeders: create fake data with seeders.

# ✅ Phase 4: Admin Panel (Backend)

🧱 Routes:

- Route::prefix('admin')->middleware(['auth', 'is\_admin'])->group(...)

🧱 Controllers:

- CategoryController, ProductController, OrderController

🧱 Features:

- Category CRUD

- Product CRUD (with image upload)

- View orders, update status (Pending, Processing, Shipped, Completed)

- View customers and reviews

# ✅ Phase 5: Dynamic Frontend

🧱 Integrate your static template:

- Move assets (CSS/JS/images) to /public

- Convert template to Blade

🧱 Pages:

- Home page (featured products)

- Product listing by category

- Product details

- Cart, Checkout

- Register/Login

- Order success page

# ✅ Phase 6: Cart & Checkout

🧱 Cart Logic:

- Add to cart (session-based)

- View, update, delete from cart

- Add to card (hybrid – guest : session, after login automatic in : db)

🧱 Checkout:

- Address form (inside/outside Dhaka)

- Payment method selection (Cash on Delivery initially)

🧱 Order:

- Store in orders & order\_items

- Clear cart after order

- Show invoice/success page

# ✅ Phase 7: Integrate payment gateway

- Implement payment gateway (SSLCOMMERZ)

- Add coupon system

# ✅ Phase 8: Review System & Polishing

- Allow logged in users to post review on purchased products.

- Admin can approve/delete reviews.

- Add rating stars on product view.

🔧 Final Polish:

- Protect admin routes

- Handle edge cases (stock, login, etc.)

- Responsive frontend touchup

- Meta, favicon, SEO basics

# ✅ Phase 8: Deployment & Next Steps

- Test full flow (register > cart > order > review)

- Setup .env for production

- Deploy to shared hosting or VPS

➡️ Future Updates:

- Make order address a separate table (if needed)

- Shift to SPA (Next.js) as per your roadmap