

# LuxeStore Commerce Platform

App Summary (1 page)

## WHAT IT IS

Modern e-commerce API built with ASP.NET Core 9, EF Core, and Identity/JWT auth. Provides product, category, sales, and analytics endpoints with production-ready plumbing.

## WHO IT'S FOR

Not found in repo.

## WHAT IT DOES

- Authentication with email verification (ASP.NET Identity + JWT).
- Product and category catalog APIs (public reads).
- Sales endpoints with checkout/complete flow (Stripe-ready plumbing).
- Product image uploads via Cloudinary integration.
- Analytics tracking and export endpoints for user interactions.
- Health checks, Serilog logging, and EF Core migrations/seeding.

## HOW IT WORKS

- Client (Vite/React frontend or any HTTP client) calls the ASP.NET Core API.
- API uses EF Core with Npgsql to access Postgres; Identity/JWT handles auth.
- API integrates with Cloudinary (images), SMTP email (verification), and Stripe keys.
- In-memory cache for product lists; /health for readiness; Serilog logs.

## HOW TO RUN

- Set ConnectionStrings:DefaultConnection and Jwt settings in appsettings.Development.json or env vars.
- Run: `cd Ecommerce.Api && dotnet run --launch-profile https`.
- Optional: `docker compose up --build` (API + Postgres on 8080/5432).