Project Task List

Based on JIRA Planning Documentation

`YouShop Monorepo · NestJS · Microservices`

E01: Foundations & Architecture

✅ **Completed · Committed**

- ☑ **[Env]** Initialize NestJS Monorepo
  - ‣ Create module folders (Auth, Catalog, Inventory, Orders)
  - ‣ Configure Environment Variables (.env, ConfigModule)

- ☑ **[Env]** Docker Compose Setup (PostgreSQL + PgAdmin)
- ☑ **[Global Tools]** Winston Logging
- ☑ **[Global Tools]** Helmet Security
- ☑ **[Global Tools]** class-validator & class-transformer
- ☑ **[Technical]** Generic ApiResponse<T> Interface
- ☑ **[Docs]** Swagger/OpenAPI at /api/docs
- ☐ **[DB]** Prisma Init
  - ‣ Initialize Prisma Schema
  - ‣ Configure datasource to PostgreSQL
  - ‣ Run initial migration

- ☐ **[DevOps]** GitHub Actions Pipeline

E02: Identity Domain (Auth)

👤 **Pending**

- ☐ **[Auth]** User Registration
  - ‣ Implement User Entity (Prisma)
  - ‣ Bcrypt Service

- ☐ **[Auth]** User Login
  - ‣ JWT Strategy (Passport, Guards)

E03: Display Domain (Catalog)

👁 Pending

- ☐ [**Catalog**] Browse Products
- ☐ [**Catalog**] Search & Filter
- ☐ [**Catalog**] Product Seeder
- ☐ [**Catalog**] Pagination Pipe
- ☐ [**Catalog**] Caching Interceptor

E04: Storage Domain (Inventory)

🗄 Pending

- ☐ [**Inventory**] Admin Stock Update
- ☐ [**Inventory**] Low Stock Alert
- ☐ [**Inventory**] Reserve Logic

E05: Workflow Domain (Orders)

🛒 Pending

- ☐ [**Orders**] Place Order
  - ‣ Price Calculator Service
  - ‣ Transactional Creation (ACID)
- ☐ [**Orders**] Order History

E06: Bonus - Microservices Transition

▤ Pending

- ☐ [**Micro**] RabbitMQ Setup
- ☐ [**Micro**] Extract Orders App
- ☐ [**Micro**] Extract Inventory App
- ☐ [**Micro**] Shared Library
- ☐ [**Micro**] Event Patterns

❶ Legend:

☑ Completed   ☐ Pending   ⧗ In Progress

Last Updated: December 24, 2025 — Status: 1/6 epics completed