Alaiy 10x Dev Skill Test

Objective:

Build a full-stack e-commerce platform where users can browse any cool product, filter by categories, add them to the cart, and purchase using a payment gateway (test mode).

Pick any niche product category - something you like or buy often (something like - kombucha, bollywood movie posters, stanley cups, handicraft toys etc), create a site theme and design accordingly, allow people to browse and buy.

Requirements

Tech Stack:

- **Frontend:** React.js / Tailwind CSS/ ShadCN
- **Backend:** Node.js / Express/ FastAPI/ Next JS/ Flask
- **Database:** MongoDB / PostgresSQL/ Supabase/ RDS SQL
- **Authentication:** Supabase (User sign-up & login)/ Firebase - email auth (optional)
- **Payments:** Stripe / Razorpay/ PhonePe payments API integration
- **Deployment:** Vercel/ Netlify (for frontend), Render/Heroku/Vercel/ AWS (for backend)
- **CMS:** Strapi (optional)
- Or any equivalent of anything above

Key Features to Implement

1. User Authentication

- User sign-up and login
- Secure JWT-based authentication

2. Product Listings

- Display at least **20 products** divided into **3 categories**
- Each product should have:
    - Name
    - Description
    - Price
    - Image
    - Category

3. Product Filtering & Browsing

- Users should be able to browse products by category
- A semantic/ intelligent search feature is a plus

4. Shopping Cart

- Users can add/remove products
- Maintain cart state

5. Checkout & Payment

- Stripe integration for payments
- Order confirmation page

6. Deployment

- Frontend deployed on Vercel/ Netlify
- Backend on Render/Heroku/Vercel/ AWS Lambda

7. UI & Design

- Use any UI library
- Extra points if you follow a certain design style/ theme and make it look cool - ex. Retro, neon, minimalist, colour pop, vintage.
- Mobile optimisation is a must

Submission Details

- **3 things to submit:**
  - **GitHub link** with a README on how to run on local
    - Make sure you make commits regularly
    - If we see only 4-5 commits on day of the submission, we won't review the repo
  - **Technical Documentation (minimum 3 pages)**
    - Features overview
    - Screenshots of all screens and feature explanation
    - Tech stack details
    - API descriptions - get/ post
    - Frontend & backend hosting details
    - Database diagram
  - Actual **site link** + **1 min screen recording video** where you explain
    - Technical details
    - Every screen/ functionality

■ Any cool/ additional features you built

Submission:

Write an email to pradyun@alaiy.com, CC thejas@alaiy.com, apoorva@alaiy.com, prerana@alaiy.com

Include -

1. Short intro of yourself
2. Project git link (make it public)
3. Site link
4. Document link
5. Video link

NOTE:

We encourage you to use any AI tools in development. Clearly specify AI tools used (Cursor, Lovable, GPT, Claude, Bolt etc.), and where they were used in development

You can even use an open-source repo, take code from friends/ family

Even if you can't complete the whole project, we're okay with it. We're looking for folks who have given it their best effort and haven't given up

---

Eval Criteria

1. **Site Aesthetics** – UI/UX design and responsiveness
2. **Technical Code Quality** – Clean, structured, and well-documented code
3. **Documentation Detail** – Clarity, completeness, and correctness of the technical documentation and demo video

---

Bonus Points:

● Implement a **wishlist feature**
● Add a **review & ratings system**
● Use **Redux/Zustand for state management**
● A super cool **UI/ UX**
● Any additional feature you think will attract **more sales / make it fun**