Internship Assignment – Full Stack Developer (Next.js)

Role: Full Stack Web Development Intern

Project: E-commerce Platform like Geer.in

🛒 Background:

We are building a modern, high-performance e-commerce website inspired by https://geer.in. As an intern, you'll be contributing to the frontend UI using Next.js (React) and backend logic using either Next.js API Routes or Node.js/Express.

This assignment is to evaluate your understanding of full-stack development and your ability to deliver working, modular code.

📌 Assignment Tasks

◆ Task 1 – Frontend Task (Next.js Product Page)

🎯 Objective:

Build a simple Product Listing Page using Next.js.

✅ Requirements:

- Use Next.js (with app or pages directory).

- Create a page /products that displays a list of products.

- Each product should show:
  • Product Image
  • Product Name
  • Price

- The layout should be responsive (mobile-friendly).

- Fetch product data from your backend (Task 2).

🟡 Bonus (Optional):

- Add a search/filter box (e.g., filter by name or category).

- Add a single product page /products/[id] showing product details.

◆ Task 2 – Backend Task (API to Manage Products)

🎯 **Objective:**
Create backend APIs to handle product data.

✅ **Requirements (choose one approach):**
Option A – Use Next.js API Routes:

• Create 3 API endpoints in /pages/api/products:

  1. GET /api/products – Return list of products (JSON)
  2. POST /api/products – Add a new product (name, price, imageUrl)
  3. DELETE /api/products/:id – Delete a product by ID

Option B – Use Node.js + Express (Separate backend):

• Set up an Express server with the same 3 routes.

• Use an in-memory array or JSON file to store products.

📁 Submission Instructions:

1. Create a GitHub repository named geer-intern-assignment.

2. Folder structure example:
   /frontend (Next.js app)
   /backend (if using external Express server)

3. Include a README.md with:
   - How to run the project
   - Tech stack used
   - Any notes or assumptions

4. Submit the GitHub link via Internshala.

🎯 What We're Looking For:

- Understanding of Next.js and React basics

- Good UI/UX structure and responsiveness

- Basic backend/API skills

- Clean code and folder structure

- Problem-solving initiative (bonus for extra features!)