🧪 Full Stack Developer Assessment Task (Laravel + Blade + MySQL)

🔬 Objective:

Build a **mini medical e-commerce system** using **Laravel + Blade + MySQL**, simulating a simplified version of our internal admin and customer platform. The focus is on functionality, structure, and code quality.

🛠️ Tech Stack Requirements:

- Laravel
- Blade templates (no SPA frameworks required)
- MySQL
- Laravel Breeze (for admin authentication)
- Eloquent ORM
- Optional: Bootstrap or TailwindCSS for styling

🎯 Task Scope

🛒 Customer Side (Public Area)

1. **Home Page**
   - Show list of medical products (name, image, price)
   - "Add to Cart" button
2. **Cart Page**
   - View cart items
   - Adjust quantity / remove items
   - Show total price
3. **Checkout Page**
   - No login required
   - Collect: full name, phone number, delivery address
   - Submit order
4. **Order Confirmation Page**
   - Show order summary and confirmation message

🛠️ Admin Panel (Requires Login)

1. **Authentication**
   - Use Laravel Breeze
   - Seed a test admin user
2. **Product Management**
   - CRUD: name, description, price, image (optional), category
   - Record all changes in a separate log table (see below)
3. **Orders Management**
   - View list of all orders
   - Show customer details and products ordered

📊 Product Change Logging Requirement

Create a `product_logs` table to track product actions:

- `id`
- `product_id`
- `action` ("created", "updated", "deleted")
- `changed_by` (admin user ID)
- `changes` (showing old vs. new values)
- `created_at`

Use model observers or event listeners to automatically log these actions.

✅ Core Requirements Recap

- Laravel Breeze for admin auth
- Use MySQL only
- Blade-based templating (no SPA)
- Clean, modular structure
- Validation and user-friendly error messages
- Include seeders and factories for test data
- Clear README with setup steps and test login
- Provide project documentation to help other developers onboard and continue development

🏰 Bonus (Optional)

- Image upload for products
- Search/filter products in admin view
- Deployment on free hosting (e.g., Render, Laravel Forge, or shared host)

📦 Deliverables

- GitHub repository (Public) with:
    - README file (installation steps)
    - SQL file or migration + seeder setup
    - Admin test credentials
    - **Developer documentation** (project structure, key components, how to extend)

⏱️ Recommended Timeframe

- Suggested duration for task: **4 calendar days**
- Focus on code readability, logic, and maintainability

📥 Submission

Upload the task on public GitHub repo then send the link with Subject: **Full Stack Developer Task | "Your Name" to:**

1. ahmed.fawzy@national-g.com

2. ahmed.alfy@national-g.com

The deadline for submitting the task is next Saturday, May 24, 2025, by 8:00 PM.

💡 Pro Tip

We value clean, working code over rushed or over-engineered solutions. Include comments and clear commit messages if possible.

Good luck!