Shopify App Developer Technical Assignment

Tech Stack:

- Backend: Laravel
- Frontend: React + Shopify Polaris
- Database: MySQL
- Integration: Shopify Admin API (GraphQL)

Objective

Build a Shopify Embedded App that connects to a merchant's store, fetches Products, Collections, and Orders from Shopify, stores them locally in a database, and displays them in a Shopify Polaris-powered dashboard.

Requirements

1. App Installation & Authentication

- Implement Shopify OAuth 2.0 using Laravel.
- Redirect merchants to the embedded app after successful authentication.

2. Data Sync

Include product sync option in your UI: -

- Sync Products

3. Frontend (React + Shopify Polaris)

Use React with Shopify Polaris components.

Dashboard Overview:

- Summary cards showing total Products, Collections with total products, and last sync time.

Products Page:

- List products from DB.
- Search by title. - Filter by status (Active, Draft, Archived).

- Pagination (10 per page).

4. Backend (Laravel API)

- Endpoints to fetch paginated lists, trigger manual syncs.
- Use Shopify Admin API for all data fetching.

Bonus Features (Optional, but Highly Valued)

Webhooks for automatic updates:

- **Products:** Implement a webhook listener to automatically update local product data whenever a product is created, updated, or deleted in Shopify.

Deliverables

- Public GitHub repository with source code.
- README.md including:
  - Setup & installation steps
  - Shopify API scopes used
  - Environment configuration (.env example)
  - Commands to run migrations, backend, frontend
  - Short architectural explanation