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Project Proposal 1: E-Commerce Website with User Login, Dashboard, and Order Processing

Project Overview

This project aims to develop a fully functional e-commerce website using **Laravel** that allows users to register, log in, view products, add them to the cart, and place orders. The website will have a secure user authentication system, a product catalog, and a user dashboard to manage orders and profiles. Additionally, the system will handle payments using a payment gateway (e.g., **SSLCommerz**) for secure transactions. The user and order data will be stored in a **PostgreSQL** database, which will be used to retrieve and display information on user dashboards and order pages.

Objectives

1. Implement a User Authentication System:

- Allow users to register, log in, and log out.
- Protect routes using Laravel's built-in authentication features.

2. User Dashboard:

- Provide users with a personalized dashboard to manage their profiles, view orders, and track payment status.

3. Order Processing:

- Allow users to add products to the cart, review their orders, and place secure orders.
- Integrate a payment gateway (**SSLCommerz**) for processing payments.

4. Data Storage and Retrieval:

- Store user profiles, product catalogs, and order details in a **PostgreSQL** database.
- Display product details and order status in the user dashboard.

5. Interactive UI Elements:

- Integrate an image slideshow and other dynamic features for better user experience.

Technologies Used

- **Frontend:** Laravel Blade Templates, Bootstrap, jQuery
- **Backend:** Laravel 11.x
- **Database:** MySQL
- **Payment Gateway:** SSLCommerz