Inventory Management System

GitHub repository - https://github.com/NirajMalindu/Inventory-Management-System

(Both backend and frontend in Laravel)

API Documentation

1. Products

Method	Endpoint	Description	Request Body
GET	/products	Display a list of all products	None
GET	/products/create	Show the form to create a product	None
POST	/products	Store a new product	name, category_name, stock_quantity, price
DELETE	/products/{product}	Delete a product	product (id in URL)

2. Orders

Method	Endpoint	Description	Request Body / Parameters
GET	/orders	Display list of orders for logged-in user	None
GET	/orders/create	Show the form to place a new order	None
POST	/orders	Store a new order	products – array of product_id => quantity

3. Authentication (I used Laravel breeze)

Method	Endpoint	Description	Request Body
POST	/register	Register a new user	name, email, password, password_confirmation
POST	/login	Login user	email, password
POST	/logout	Logout user	None

how to run the project

1. **Clone the Project**

   In terminal:

   git clone https://github.com/NirajMalindu/Inventory-Management-System.git

   cd Inventory-Management-System

2. **Install Dependencies**

   composer install

3. **Configure Environment**
   Open .env in a text editor and update database:

   DB_CONNECTION=mysql

   DB_HOST=127.0.0.1

   DB_PORT=3306

   DB_DATABASE=inventory

   DB_USERNAME=root

   DB_PASSWORD=

4. **Create Database & Run Migrations**
   a. Create a MySQL database [inventory]
   b. Run migrations to create tables:
      php artisan migrate –seed

5. **Serve the Project Locally**

   php artisan serve