Inventory Management System

Task Plan

1. Categories, Products, and Suppliers

Task Description:

- **Categories**: Implement category CRUD operations.
- **Products**: Manage product details like name, category, stock, price, etc.
- **Suppliers**: Add CRUD functionality for managing suppliers.

Subtasks:

- Add and categorize products under relevant suppliers.
- Associate each product with suppliers and track stock updates.

Deliverables:

- Full CRUD functionality for managing categories, products, and suppliers.

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2. Orders, Order Details, Customers, and Units

Task Description:

- **Orders**: Manage orders and connect them with customers.
- **Order Details**: Record and manage items in each order.
- **Customers**: Implement customer management (create, edit, delete).
- **Units**: Track product units (e.g., kilograms, meters) and link them to product and order data.

Subtasks:

- Link order items with stock and ensure stock levels are adjusted automatically.
- Handle payment methods and statuses.

Deliverables:

- A robust order management system linked to customers and units.

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3. Purchases and Purchase Details

Task Description:

- **Purchases**: Add purchase functionality for restocking inventory.
- **Purchase Details**: Record and manage the details of each purchase (product, quantity, price).

Subtasks:

- Implement purchases workflow, ensuring correct stock updates.
- Manage relations between purchases and suppliers.

Deliverables:

- Comprehensive purchase management system with detailed logs.

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4. Quotations and Quotation Details

Task Description:

- **Quotations**: Allow users to create and manage customer quotations.
- **Quotation Details**: Record product details and customer requests for each quotation.

Subtasks:

- Enable users to convert quotations into orders.
- Ensure pricing logic is consistent with the product catalog.

Deliverables:

- Full quotation system, including conversion to orders.

Authentication System (Starting Point)

Task Description:

- Implement a robust authentication system with user registration, login, and role-based access.

Subtasks:

- Set up authentication using Laravel's built-in system.
- Add user roles and permissions for admins and employees.

Deliverables:

- Fully functional authentication and role-based system.

Additional Libraries and Helpers (Enums, Requests, etc.)

Task Description:

- Implement enums for handling constants (order statuses, payment types).
- Use form requests for validation and security.
- Add helper functions to manage repetitive tasks (e.g., stock updates, tax calculations).

Deliverables:

- Well-organized enums, requests, and helper functions to ensure clean code.