

Pharmacy Management System

Documentation

Project Overview:

The Delivergate Pharmacy Management System is a web application developed using the PHP Laravel framework. It is designed to manage the inventory of a pharmacy, maintain customer records, and manage user privileges within the system. The system provides a user-friendly interface for pharmacists to efficiently manage their inventory and customer database.

Functionality:

Inventory Management:

- **Add Items:** Owners can add new items to the inventory along with details such as name, quantity, and price.
- **Remove/Edit Items:** Cashiers have the privilege to remove or edit existing items in the inventory.

Customer Record Maintenance:

- **Add Customers:** Owners can add new customers to the system along with their details such as name, email, phone number, and address.
- **Update/Delete Customer Details:** Managers can update or delete customer details as required.

User Privilege Management:

- **Owner:** Can add items and customers.
- **Cashier:** Can remove and edit items.
- **Manager:** Can update and delete customer details.

User Logging Mechanism:

- The system maintains a log of user activities to ensure accountability and traceability.

Endpoints:

- **Add Items/Customer (Owner Only):** `/api/items`, `/api/customers`
- **Remove/Edit Items (Cashier Only):** `/api/items/{id}`
- **Update/Delete Customer Details (Manager Only):** `/api/customers/{id}`

Important Details:

- The system is built using the PHP Laravel framework, providing a robust and scalable solution for pharmacy management.
- Proper validation is implemented for each endpoint to ensure data integrity.
- User authentication and authorization are implemented to manage user privileges effectively.
- A user logging mechanism is in place to maintain an audit trail of user activities.

Next Steps:

- Clone this repository to your local machine.
- Follow the instructions in the README.md file to set up and run the application.
- Use the provided Postman collection to test the endpoints and ensure proper functionality.