**Pharmacy Management System**

**Overview:**

This Pharmacy Management System is a simple application built using Python and the Tkinter library. It provides functionality for user authentication, customer registration, prescription handling, inventory management, and prescription history tracking.

**Features:**

**User Authentication:**

* Users can log in with their username and password.
* New users can register with a unique username and password.

**Customer Management:**

* Register new customers with details such as name, age, gender, contact, and address.
* Update customer information.

**Prescription Handling:**

* Fill prescriptions for registered customers.
* Calculate the total amount for prescribed medicines.
* Generate bills with details of medicines, quantities, and total amounts.
* Mark bills as paid, updating prescription history.

**Inventory Management:**

* View the current medicine inventory.
* Track medicine names, quantities, and prices.

**Prescription History:**

* Check the history of filled prescriptions.
* View details such as prescription ID, customer ID, customer name, prescribed medicines, total bill, and date.

**Getting Started:**

**Requirements:**

* Python 3.x
* Tkinter library (usually included with Python)

**Installation:**

* Clone the repository to your local machine. - <https://github.com/dhrubajyotim/Pharmacy-Management-App.git>
* OR Copy all the files shared in the drive to the project's directory structure..

**Usage:**

* Run the PharmacyManagementSystem.py file using Python.
* Follow the on-screen instructions for user authentication, customer registration, prescription filling, etc.

**File Structure:**

* PharmacyManagementSystem.py: The main application file.
* users.json: Stores user credentials.
* medicine\_inventory.json: Stores medicine inventory details.
* customers.json: Stores customer information.
* prescription\_history.json: Stores the history of filled prescriptions.

**Important Notes:**

**File Paths:**

* Ensure that file paths are correct for your project's directory structure.

**Contributing:**

* Feel free to contribute to the project by submitting bug reports, feature requests, or pull requests - <https://github.com/dhrubajyotim/Pharmacy-Management-App.git>