WEB APPLICATION DEVELOPMENT-LAB ASSIGNMENT 2

Requirements:

i. Patients are identified by SSN, and their names, addresses, and also ages.

ii. Doctors are identified by an SSN, for each doctor, the name, specialty and years

of experience must be recorded.

iii. Each pharmaceutical company is identified by name and has a phone number.

iv. For each drug, the trade name and formula must be reordered. Each drug is sold

by a given pharmaceutical company, and the trade name identifies a drug uniquely

from among the products of that company. If a pharmaceutical company is

deleted, you need not keep track of its products any longer.

v. Each pharmacy has a name, address, and phone number.

vi. Every patient has a primary physician. Every doctor has at least one patient.

vii. Each pharmacy sells several drugs and has a price for each. A drug could be sold

at several pharmacies, and the price could vary from one pharmacy to another.

viii. Doctors prescribe drugs for patients. A doctor could prescribe one or more drugs

for several patients, and a patient could obtain prescriptions from several doctors.

Each prescription has a date and a quantity associated with it. You can assume

that if a doctor prescribes the same drug for the same patient more than once, only

the last such prescription needs to be stored.

ix. Pharmaceutical companies have long-term contracts with pharmacies. A

pharmaceutical company can contract with several pharmaceutical companies.

For each contract, you have to store a start date, and end date, and the text of the

contract.

x. Pharmacies appoint a supervisor for each contract. There must always a supervisor

for each contract

Additional Requirements:

i. **User Authentication- The system should provide user authentication to ensure that only authorized users can access the system and its features. Authentication can be implemented using a combination of usernames and passwords or other authentication mechanisms.**

ii. **Good User Interface: The system should provide a user-friendly interface that is easy to navigate and use. The interface should be visually appealing and responsive to user interactions.**

iii. **Search Functionality: The system should provide a search functionality that enables users to search for drugs, pharmacies, doctors, and patients easily.**

iv. **Form validation: The system should have validity test on the forms ensuring users give the system valid data.**

v. **Reporting: The System generates frequent reports for the various pharmacies to use in their respective logistics**

vi. **Error handling: The system should gracefully handle errors and exceptions that may occur during application use.**

vii. **Push notifications: The system should give notifications of new products or renewed stock to Pharmacies that have subscribed to Phamaceutical Companies.**

GITHUB ACCOUNT: https://github.com/JasmeetMudher

GITHUB ACCOUNT: https://github.com/Winstone-Were

GITHUB REPO   : https://github.com/JasmeetMudher/Drug-Dispensary