NAME OF PROJECT: ABC Pharmacy Drug Dispensing and Tracking System

* Project Overview
  + Purpose of the project is to demonstrate designing a database, database tables, referential integrity, and database management functionality.
  + First step – develop an ER diagram
  + Second step – create database and corresponding tables. Design table format and load data into each table. Then generate queries using SQL statements
  + Third step – demonstrate referential integrity in the database
* System Overview:
  + As part of this project, a hypothetical ABC Pharmacy Drug Dispensing and Tracking System is designed. The system will be used to Drug Supplier, Drug Inventory, Licensed Pharmacists who dispense/provide the Drugs (prescription, otc, dietary supplements) to Patient’s who are given a Prescription by Doctor. At any time this system can Track Drug from Drug Supplier to Patient’s Order’s as well as the Pharmacist who provided dispensing services. In case of recalls, side-effects, supply shortage, etc., the tracking system will quickly identify the entire supply chain and alert Patient’s and Doctors using the contact information provided.
* Scope of Project:
  + The scope of the project is limited only to the ER diagram, database design and SQL query reports. It is assumed that the data is populated by the application software which is not part of the project’s scope.  
    (Disclaimer: All the data loaded into the tables are purely fictitious)
* ER Diagram (Entity Relationship)
* Database and tables creation
  + Table #: Name of the table
  + show table descriptions 🡪 screenshot of structure
  + Show table data
* Show Queries 🡪 Description, SQL statements and query result
* Database Referential Integrity 🡪 Through Rollback; Drop/Add/Update Information in Master Table, show change in child table