Logical Model

User(user_ID, User_name, Date_of_Birth, Govt_ID_type, Govt_ID_no, Email, Phone, Address, Zip_Code)
Primary Key (PK): user_ID

Order(order_ID, order_details)
PK: order_ID
Foreign Key (FK): user_ID REFERENCES User(user_ID)

Prescriptions(prescription_ID, refills_allowed, dosage)
PK: prescription_ID
FK: user_ID REFERENCES User(user_ID)

Medicine(Medicine_ID, Name, Usage, Habit_forming, Therapeutic_Class, Action_class)
PK: Medicine_ID

Prescriptions_Medicine(prescription_ID, Medicine_ID)
PK: prescription_ID, Medicine_ID
FK: prescription_ID REFERENCES Prescriptions(prescription_ID)
FK: Medicine_ID REFERENCES Medicine(Medicine_ID)

SideEffects(side_effects_ID, side_effect_name)
PK: side_effects_ID

Medicine_SideEffects(Medicine_ID, side_effects_ID)
PK: Medicine_ID, side_effects_ID
FK: Medicine_ID REFERENCES Medicine(Medicine_ID)
FK: side_effects_ID REFERENCES SideEffects(side_effects_ID)

Locations(location_ID, location_name, zip_code)
PK: location_ID

Medicine_Locations(Medicine_ID, location_ID)
PK: Medicine_ID, location_ID
FK: Medicine_ID REFERENCES Medicine(Medicine_ID)
FK: location_ID REFERENCES Locations(location_ID)

Substitute(substitute_ID, substitute_name)
PK: substitute_ID

Medicine_Substitute(Medicine_ID, substitute_ID)
PK: Medicine_ID, substitute_ID
FK: Medicine_ID REFERENCES Medicine(Medicine_ID)
FK: substitute_ID REFERENCES Substitute(substitute_ID)