Automated Health Clinic Management - Week 4

Abdellah Sabhi
Ruochen Liao (Maomao)

Project Overview

- Main task:
  Transitioning a health clinic from paper-based to digital records.

- Week 4 objective:
  Build an sqllite3 database.
  Add billing, insurance claims.
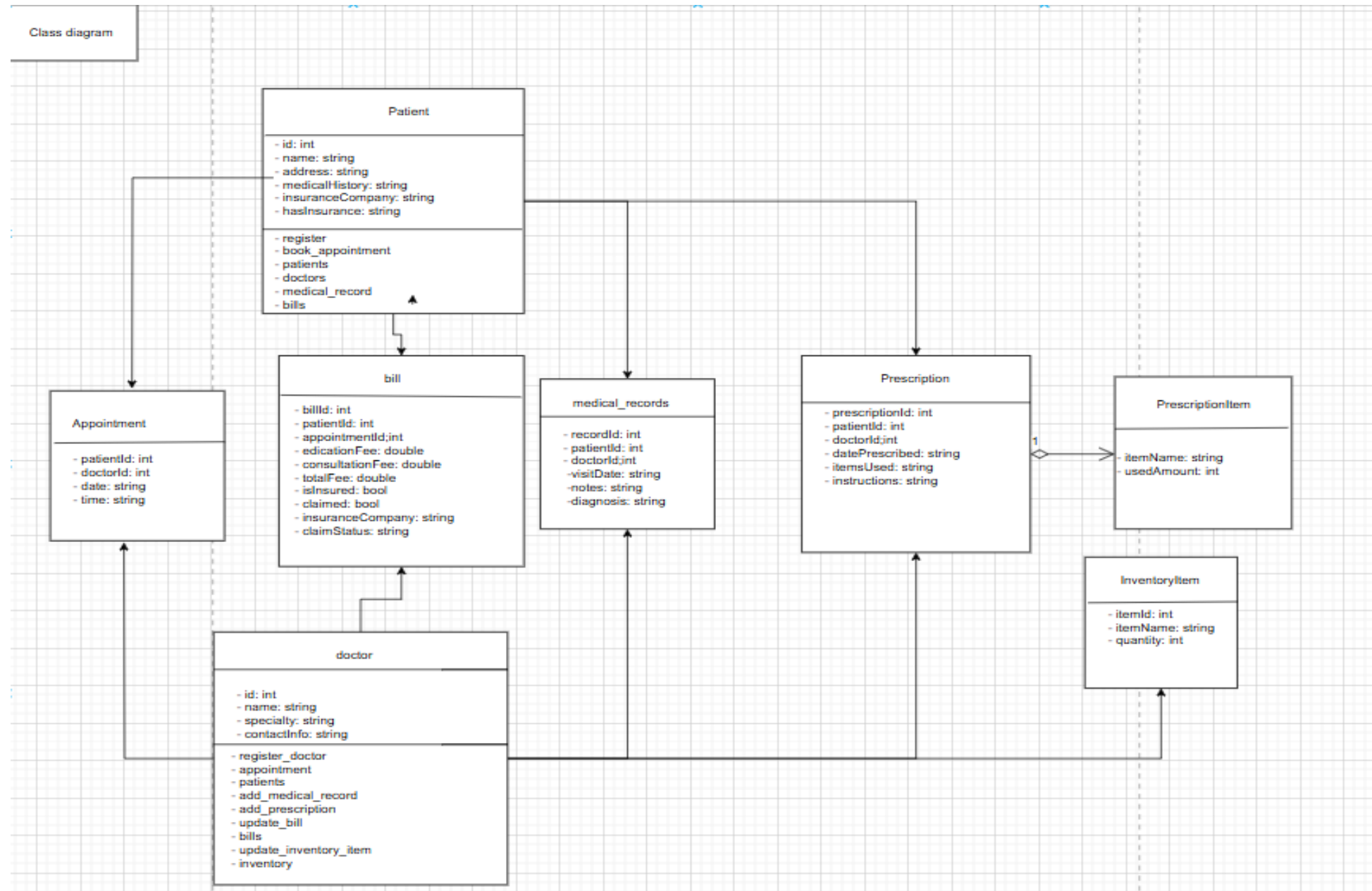
Features:

- **Inventory Management**:

- Manage medical inventory, including adding items and updating their quantities.

- Notify when stock is low.

- **Database**:

- All data is stored in a structured SQLite database for persistence.
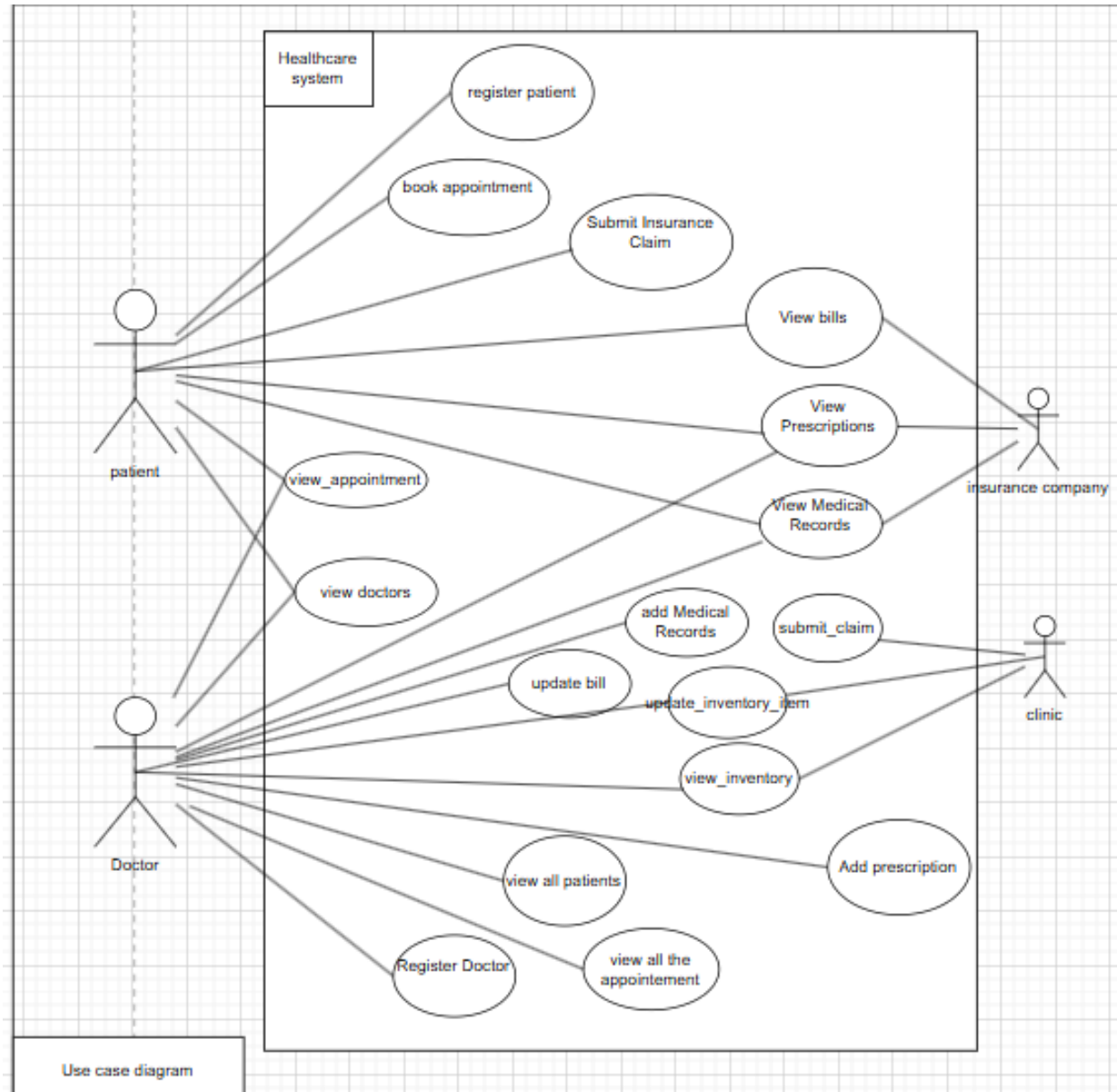
How it works

- SQLite is used to store and retrieve all data.

- Tables: Patients, Doctors, Appointments, Bills, and Inventory.

- Data is added via API calls is immediately stored in the database.
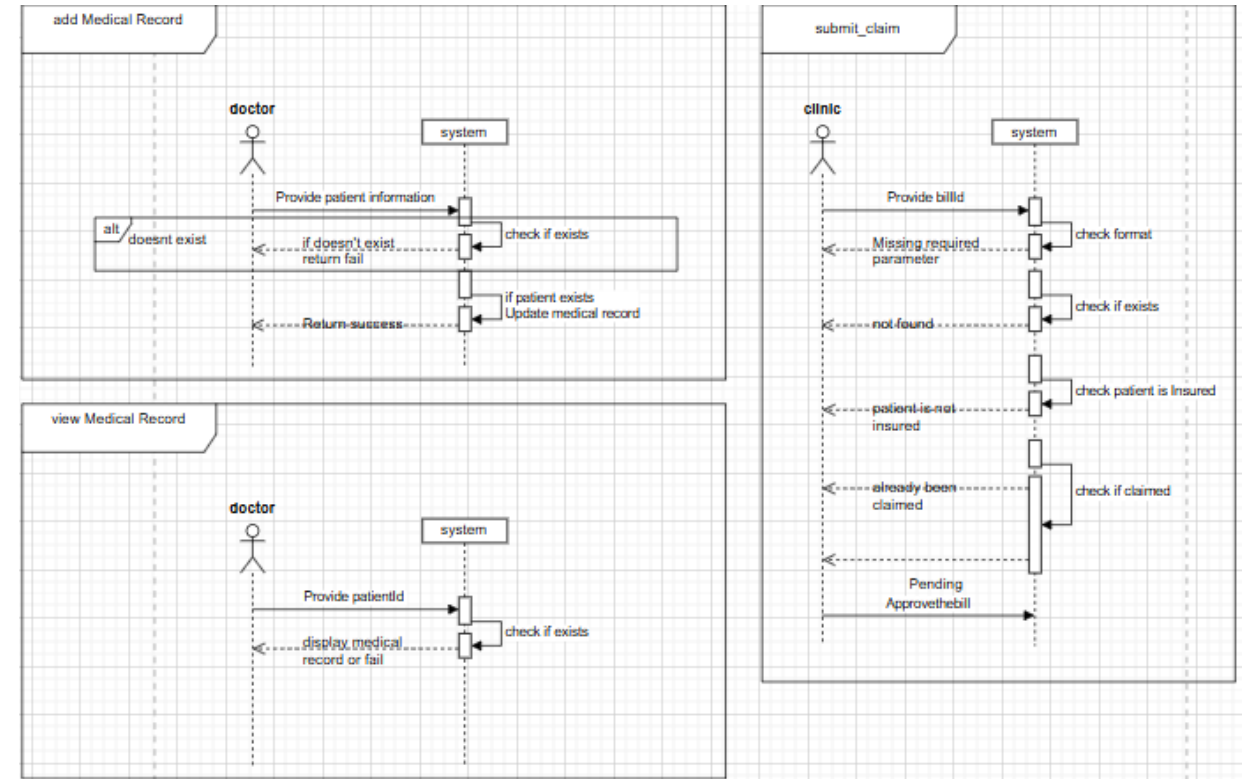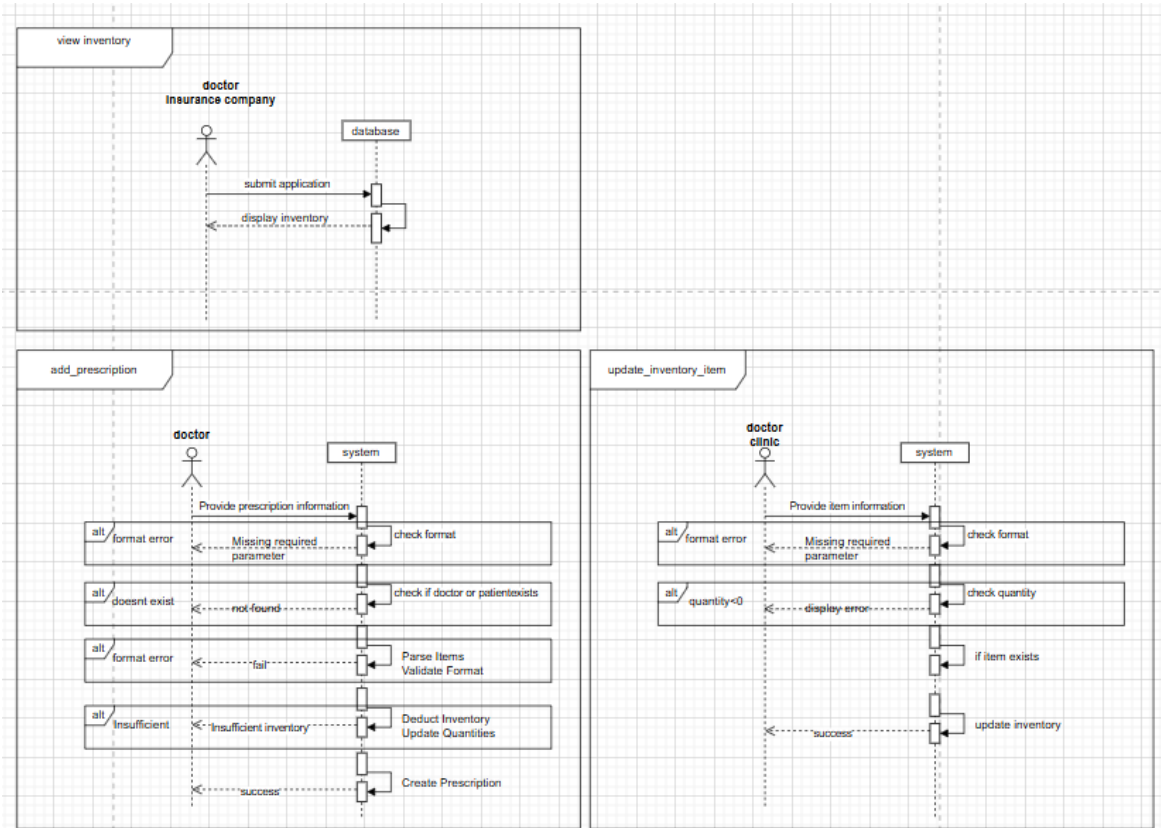
Class diagram

Use case Diagram:

Use case diagram

Sequence diagram

Challenges

- Challenges:

   Ensure SQLite queries were properly executed without errors.

Next Steps

Add **user authentication** (e.g., admin, doctor, patient roles).