CS1555 Recitation 5

Objective:
PART 1: to practice ER diagrams and transforming them to relational schemas.

Part 1: ER Diagrams

1. Create an ER Diagram for a rental management company that rents apartments. Each apartment has an address (street address, city, zipcode), apt_number and last inspection permit number. Each apartment also has owners. We keep the owner's name and address only. The apartments are rented to tenants who are required to sign leases. Each lease has a lease_no, duration, start-date, end-date, and monthly payment. When the tenants renew the lease, we keep track of the renewal date and the duration of the renewal. Tenants have ssns, name, cellphone, income and previous address(es). A tenant could submit a maintenance request for the apartment where something broke. A maintenance request should have request_date, problem, description and whether it has been resolved.

2. Transform the ER diagram from (1) into relational schema