

CMSC243: Systems Analysis and Design

Assignment 6: Class Diagram with UML notation

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Task 1: Design a class for one of the entities that will be part of the database.

Class: PRESCRIPTION

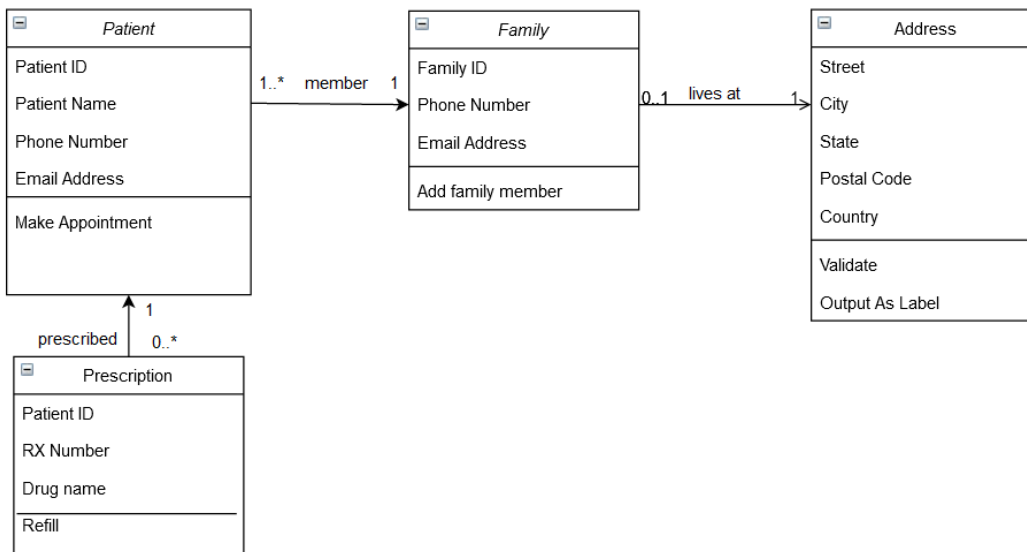
Attributes:

- Patient ID
- RX Number
- Drug name
- Dosage
- Date filled
- Refills remaining
- Prescriber

Methods

- Refill
- Add Refills
- Submit to pharmacy

Task 2: Class Diagram with UML notation and explanation.



Explanation:

- A patient is prescribed 0 to many prescriptions.
- A prescription is for 1 and only 1 patient.
- Every patient is a member of 1 and only 1 family
- A family has 1 or more members.
- A family lives at one and only one address.
- An address has 0 or 1 families living there.