

ER Diagrams

For all the below problems you **MUST** use **UML Notation**. Remember to include **relationships, entities, and multiplicity** values.

1. Draw an Entity Relationship (ER) Diagram to depict the relationship between Doctors and Patients: Doctors can treat one or more patients. Patients can be treated by exactly one doctor.

2. Draw an Entity Relationship (ER) Diagram to depict the relationship between Patients and Medications. Patients can be prescribed zero or more medications. Medications can be prescribed to zero or more patients.

3. Combine the above ER diagrams.

4. Using UML notation, draw an Entity Relationship (ER) Diagram to depict the relationship between Guest, Booking, and Rooms that you designed in your Database.