Problem Statement 1:

Draw an ERD containing the *LabVisit* and *Patient* entity types connected by a 1-M relationship from *Patient* to *LabVisit*. Choose an appropriate relationship name using your common knowledge of interactions between patients and lab visits. Define minimum cardinalities so that a patient is required for a lab visit. For the *Patient* entity type, add attributes *PatNo* (primary key), *PatLastName*, *PatFirstName*, *PatDOB* (date of birth). For the *LabVisit* entity type, add attributes for the *LVNo* (primary key), *LVDate*, *LVProvNo*, and optional *LVOrdNo* (for orders from physicians). If you are using a data modeling tool that supports data type specification, choose appropriate data types for the attributes based on your common knowledge.

ERD Solution: