**Description  
Homework 1 – Database Design – Recognizing Entities and Relationship.**

**Refer to the Database Design – Intro To ER Diagrams Presentation on Session 2 for examples and help.**

**For each question you will draw an E-R Diagram. The diagram should identify the Entities in each question and the relationship between each Entity. Remember to treat each question as a separate E-R Diagram.**

1. **The Mountain View Community Hospital Corporation keeps track of their patients and the various procedures that each of them have had performed at the Hospital.**

A white rectangle with black text

Description automatically generated

1. **Each procedure has one and only one description associated with it.**

A diagram of a structure

Description automatically generated with medium confidence

1. **The Physicians at the Hospital usually perform more than one procedure in a given day, but the exact number performed is dependent upon the type of procedure and its duration and complexity. Each Procedure may be performed by different Physicians as their expertise warrants.**

A diagram of a procedure

Description automatically generated

1. **If a patient is admitted to the Hospital they are assigned a one nurse from each of the three work shifts. Each Nurse may be assigned to watch over one or more patients during one of their work shifts.**

A diagram of a patient

Description automatically generated

1. **The Hospital has one or more wards. Each ward is located in exactly one Hospital.** A diagram of a flowchart

   Description automatically generated
2. **A ward has any number of Physicians and Nurses. The Nurses and Physicians may work in one or more wards.**

A diagram of nurses and patients

Description automatically generated

**Now that you have completed each question, combine the 6 individual E-R Diagrams into one comprehensive diagram below.**

**Combined Diagram:**

A diagram of a medical procedure

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