

Comp 1630

Relational Database Design & SQL

EXERCISE 1 – Entities and Relationships

The Greater Vancouver Medical District needs to schedule and track medical procedures being performed during operations on patients by physicians assigned to various hospitals. Each patient is covered by one of the several medical plans available.

The database will store data about the following entities:

- Patients
- Physicians
- Medical Plans
- Hospitals
- Operations
- Medical Procedures

1. Create a database named **A00123456_Ex1** using *your* Student ID, on your workstation desktop.
2. Create tables for the entities listed above under the *Create* tab, using the Data List for the attribute names that are required.
3. Once you have created all the tables, establish the following relationships under the *Database Tools* tab:
 - a. a physician can have multiple patients
 - b. a medical plan covers many patients
 - c. a hospital can have multiple physicians
 - d. a patient undergoes surgery in an operation
 - e. a procedure is performed during an operation
4. Use the following procedure to submit your work:
 - a. launch MS Word and open a new blank document
 - b. take a screen shot of your MS Access diagram (Alt/Prt Scr)
 - c. paste the copied diagram into the Word document
 - d. save the document as a PDF called **A00123456_Ex1.pdf**
 - e. submit the file to the D2L Ex1 drop box
 - f. the Word document can now be discarded