Object Modeling Assignment

Purpose

The purpose of this project is to gain experience modeling objects.

Note: This assignment requires you to turn in graphical models. Creating these models can best be accomplished using Microsoft Visio, but you may use any other graphical tool. Or you can draw the models by hand, scan them, & attach the scanned images to an email.

Part I

Answer the 10 "Chapter Exercises" questions at the end of Chapter 6. When answering questions 8 & 9, feel free to use examples from your work in Part 2.

Part II

Using the DFDs for your primary care doctor in the previous assignment,

a. Create 2 Use Cases. Use one of them to create a Use Case Diagram.

b. Create a Domain Class Diagram. You might want to refer to your ERD in the previous assignment to make sure you included all of the entities.

c. Create a Sequence Diagram based on a Use Case you used in a. above.

d. Choose an object (an instance of a class from your Class Diagram) and create a State Transition Diagram similar to the example on p. 193 of our textbook.

e. Select one of your Use Cases in a. and create an Activity Diagram similar to the one on p. 194 of our textbook.

Note: In CIS 281, you'll create each of these 5 UML models for the software project that you select.