ISEM 530: HOMEWORK 4 (Module 4) 30 Points

Due Date: End of Module4

Organization = Individual

Suggestions and Guidelines:

- Use your own words and Thoughts. Plagirism and/or cheating will result in a grade of Zero.
- Give short answers to each question (not more than 3-4 lines)
- Total page length (not more than 3 pages, 300 words per page)
- 1-inch margins, Double spaced, 12-point, Times New Roman font

Chapter 9

THE REAL ESTATE MULTIPLE LISTING SERVICE SYSTEM

In Chapter 8, you were asked to discuss the implications of the "anytime, anywhere" requirement for the application deployment environment and to describe the type(s) of hardware, network, and software architecture needed to fulfill that requirement. Assume that you addressed that question by specifying a three-layer architecture using ordinary PCs running Web browsers to implement the view layer. Draw a network diagram that represents your chosen solution.

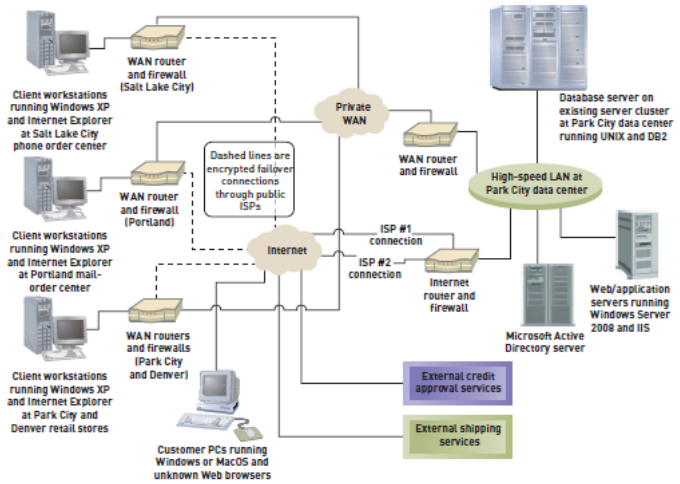
Today's computer-based real estate listings typically include graphical data, such as still and moving pictures, in addition to text descriptions of properties.

Answer these questions:

A. What is the impact of such data on data communication requirements within your network design, assuming 10 listing accesses per hour?
B. 100 listing accesses per hour?
C. 1,000 listing accesses per hour?

RETHINKING ROCKY MOUNTAIN OUTFITTERS

In Chapter 8, you were asked to consider an alternative deployment scenario for RMO based on Apache Web servers running under Linux and an Oracle database server.



Look at the network diagram to reflect the alternative deployment scenario.

Answer these questions:

A.What changes, if any, are required for the client workstations and customer PCs?

B.What changes, if any, are required in middleware and communication protocols?

C. Will there be any change in the estimates of required data-communication capacity among client workstations and servers at the Park City data center?

Chapter 11

THE STATE PATROL TICKET PROCESSING SYSTEM

In Chapter 7, you developed a use case diagram, a class diagram, and a system sequence diagram for the use cases *Recording a traffic ticket* and *Scheduling a court date*.

Based on those solutions…

A. Develop a first-cut DCD by type casting the attributes and adding navigation visibility.
B. Then, for ONE use case, develop a set of CRC cards.
C. Add method names to the classes in the DCD based on the responsibilities identified on the CRC cards.