IS 628: Computer-based Information Systems
Reading Preparation Assignment
Chapter 4
The Data Resource

Read Chapter 4 of the text, pp. 95 — 113.

Be prepared for class discussion based on the following questions:

1. Explain what the data resource is and why it is so important in today's organizations.

2. What is a data model? What does it contain? What are the objectives of data modeling?

3. What are metadata? Why is it important to manage metadata?

4. Describe the issues central to ensuring the quality of the data resource.

5. What is master data management? What are the benefits of MDM?

6. Who is a data administrator and what does this person do?

7. What are the basic functions of managing the data resource?

8. Discuss the problems or pitfalls of doing data planning and modeling. How can these be alleviated? Discuss the advantages and uses of data modeling.

9. Explain why, given the benefits of a coordinated, integrated data architecture, some organizations still maintain multiple databases. How does master data management assist in the management of multiple databases?