Lab 8 (Unit 4 – Extra Credit)

Designing a Database for the Web

Overview section
This lab will allow a student to develop their database design skills.

Objectives section
Design a database for a web enabled business.

Components Section
The components needed for this lab are:

?? Access to a text editor such as Word, Visio or similar software to draw diagrams

Lab Length: 4-6 Hours

HELP: Review the extra materials provided on Database Design on the ftp site. (ftp://205.169.85.228, Regis Online Folder, Designing a Database Document)
Lab
1. You are part of an imaginary web enabled business. Design a database for your business that can keep track of inventory records, customer records, and order records. Design the database layout, interface, etc. Your database should be normalized, include primary, foreign key and other constraints, display appropriate datatypes, etc.

2. Create a database diagram that explains the database you designed.

3. Discuss the reasons why you would implement this database driven web site. What are the advantages and disadvantages? What problems did you have designing the database?

4. Give a real world example of a Web site that might benefit from using a database? Explain why?

5. Email your answers/observations to jrobinson@westnetinc.com.