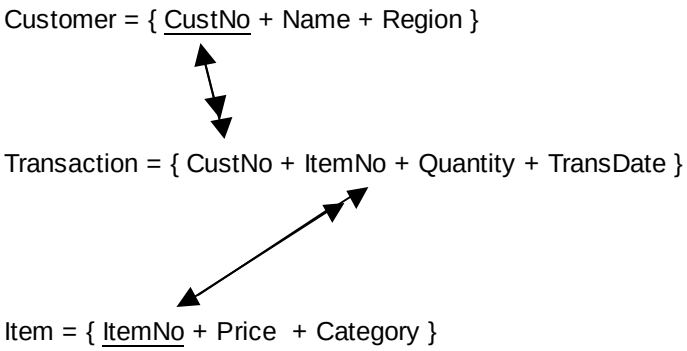
Problem Overview: This assignment asks you to analyze a set of sales transactions. You will need to develop and execute a query on an Access sales database to create a set of records to analyze. You will then use Excel to do the actual analyses.

The Database: The database is an Access database named Sales.mdb. You may download this database from the course ftp site (see the Lab Support Site's "Misc" page for a link to this database). The database consists of three tables. These tables and their respective fields are defined in the RSD below.



You need to perform a query on this database to produce a table that contains the following fields: Region, ItemNo, Price, Category, Quantity, and TransDate. After executing the query, you need to analyze it with MS Excel. Use Access to open up the query results in Excel and then save the resulting spreadsheet for your analyses.

The Analyses: You first need to add additional fields to the spreadsheet you created from the Access query. For each transaction, compute the extended price (Price x Quantity) and use the Month() and Year() functions to extract the month and year from the TransDate field. Each of these values should be in separate columns for the specific transaction. When you are done, your spreadsheet should have a total of 9 columns and 2000 rows (one row per transaction).

After adding these additional columns to your spreadsheet, use Excel's Pivot Table feature to complete the following requirements:

1. Show the average extended price broken down by month and year.
2. Show the number of transactions broken down by region and category.
3. Show the maximum extended price broken down by region and item number.

4. Show the total (sum of) extended price broken down by region within year and category.

You may make each of the four requirements above a separate worksheet within your spreadsheet and then print each one to turn in. As an alternative, you may complete one requirement and then print it, then continue with the next requirement within the same pivot table. The first alternative is more straightforward but will make your spreadsheet a bit larger. Be aware that the spreadsheet and database together will likely fill a single diskette so be sure you have a blank diskette when you start this assignment.

To Turn In: You must print and turn in the results from the four requirements above. Be sure that your name and lab section are added to each pivot table. Do not turn in the original worksheet that shows the 2,000 transactions. There is also nothing to print or turn in from the Access database.