

# msj cis 310 Project 4

: Refining and grabbing more data  
:: Due May 6

## I Data Alterations

Crazy manager has decided that Schoolkids will no longer sell used items. Write the appropriate query or queries to get rid of the columns and/or tables keeping track of this information. You may want to make a copy of your .sdf file before you do this, just in case something gets screwed up you can revert to the backup. Additionally, he has decided to only sell CDs, so also write the appropriate queries to scrub media type information from your database.

## II More Reporting

Now that things seem to be a go, the management needs even more queries written for reporting purposes.

- The total sales the store has made, which is simply the sum of all order totals.
- The crazy manager thinks sales increase in the month of May for people whose last name begins with “M”. Write two queries: one with the total of all sales for all Mays from 2009 back for people whose last name begins with M, and a second for those whose name does not.
- The total sales for the current year (2010).
- The total sales for the states of OH, KY, and IN since 2000.
- Get the total sales by artist, which is the sum of the price of all order lines for each artist.
- Get the artist with the lowest priced album. Display the artist, the album name, and the price.
- Get the artist with the highest priced album. Display the artist, the album name, and the price.
- Show each artist along with the combined retail value of their albums. This is not a calculation involving the quantity in stock. For example, if Bob Dylan has 2 CDs in our database at \$10 a piece and Jakob Dylan has 3 CDs at \$5 a piece and one at \$3, then the result would be:  
Bob Dylan 20.00  
Jakob Dylan 18.00
- Get a listing of all artists, their albums, and the tracks on the albums. Make sure the data is sorted appropriately: by artist, then by album, then by track #.
- Get a listing of all customer names along with their orders and the items in. Again, make sure the data is sorted appropriately.
- Get a listing of all customer names along with how much money they have spent.
- Get the total number of Schoolkids customers.
- Show the album title and price for all albums that are above the average album cost.

# III Submission

Put your database file and the text file with the SQL commands inside of a zip file and e-mail it to me at [alex\\_kuhl@msj.edu](mailto:alex_kuhl@msj.edu). If you chose to do your dependency diagrams on paper turn these in on the class date, if you have them in digital form include them in the zip file.