**INSY 4305**

**HOMEWORK 4**

1. You will write a SQL script file, ***networks.sql***, that builds and populates the ***networks*** database. It has at least the following tables. The base data is the same from the previous homeworks. This is an exercise in simply building and populating tables. It is not a database design problem. We are not going to use keys, etc. The tables will look like the files.

Networks

Shows

Actors

1. All file manipulation from homework 3 will now be done to the ***networks*** database. You will access the appropriate table to find information, update information, and add networks, shows, or actors. You will use Prepared statements. All database methods will be in ***DatabaseMethods*** class.
2. The menus will now be

File

Open (This calls JFileChooser to let me read your text files into your program.)

Read Database (This reads the tables into the arraylists.)

Add

Add Network (Add to the list and to the database.)

Add Show (Add to the list and to the database.)

Add Actor (Add to the list and to the database.)

Commercial

Buy Commercial

Exit

Write Database (This will write the networks database tables and data to the prompt so I can check to see all data is there.)

Write Network List (This will write the networks list to the prompt. It will include shows and actors since they are embedded in network.)

About (This is the version number and your name in a JOptionPane popup box.)

Exit Program

You cannot manipulate only arraylists and then at the end write everything to the database at once.

1. You will turn in all the previous files (with the new GUI functions), networks.sql, and DatabaseMethods.java