**Assignment #4: School Clubs**

You have been hired help to manage school clubs at NYU and you have been asked to build a database to track student clubs and memberships. NYU has many student clubs: [ACM](http://cs.nyu.edu/acm/site/), [WinC](http://www.cs.nyu.edu/~wincweb/), [the NYU Programming team](http://cs.nyu.edu/acm/progteam/) ... to name a few!

You may assume the following:

1. Each student has one primary major.
2. Students may join as many clubs as they like.
3. Students are welcome to join clubs outside of their major.
4. Each club is affiliated with only one academic department.

Here is the some of the information that has been given to you in a spreadsheet (tabular) format:

* student's name – OK
* student's netID – OK
* student's NYU "N-Number" – OK
* the entry dues that a club charges (or the club might be free) – OK
* the department which is affiliated with the club (e.g. Mathematics, Computer Science, English, History, etc) – ok
* student's graduation date (if they have already graduated) – ok
* date the student started at NYU – ok
* student's primary major (NYU department) – ok
* the club's name – ok
* student's mobile number – ok
* a description of the club in several sentences – ok
* current club president – ok
* current club secretary – OK
* current club treasurer – ok
* the date that a student joins a club – ok
* the date of resignation if a student is no longer a member (Note: once a student graduates, they "resign" automatically). – ok
* student's secondary email address (personal email address or other email outside of NYU) – ok
* club regular meeting space if one has been assigned
* email address for the club where interested students may send inquiries
* URL for the club

Steps using MySQL Workbench

* Create the tables that you need to track the data and to establish relationships among the tables.
* Generate an E-R diagram to display your results.
* Generate an .SQL script which could be used to generate the database (using WORKBENCH's FILE / EXPORT ... "forward engineering" option).

**What to submit:**

**Note - Be sure to compress all of your files into one .zip file for submission and include both the assignment number and your netid in every filename. Here are two examples; please follow this model: *asg4\_de123.zip* and *asg4\_de123\_script.sql*.**

Post the following to NYU-Classes. If you worked with another student in the class, you must BOTH post the work and you must BOTH list your each other's names in the COMMENTS section as well as by adding the COMMENTS into the .SQL script.

1. Your .SQL script.
2. your E-R diagram
3. Your .mwb file that you created.