**CS 5200 Introduction to Database Management Homework #1**

Design a database for keeping track of standards. A standard has a name, an author (or authors) and a sponsor. A standard consists of a collection of clauses (at least one). Each clause has a text and recommendation level. A recommendation level is one of the following: required, recommended, allowed, discouraged or forbidden. Standards are sponsored by organizations. An organization has a unique name and contact person. An organization may have a parent organization. A person has a name and a unique email address.

Show your design as a UML diagram. Show all cardinality constraints on both associations and attributes.

There are many UML tools available. For a list see [Comparison of Unified Modeling Language tools](http://en.wikipedia.org/wiki/Comparison_of_Unified_Modeling_Language_tools). I have used ArgoUML and BoUML. If you have Visio, then that will also work, but if you do not have Visio, then it is easier to obtain a tool like ArgoUML or BoUML.

Send your design as a PDF attachment by email to the grader as follows:

* If your last name begins with A-M, your grader is Swapnil Shah [swapnil@ccs.neu.edu](mailto:swapnil@ccs.neu.edu).
* If your last name begins with N-Z, your grader is Amar Dinesh Zavery [zavery.a@husky.neu.edu](mailto:zavery.a@husky.neu.edu).

In your mail to the grader, please specify "CS 5200" as the mail subject, and the name of the file (or zip file) that you attach should have the name "<your name>\_1". In other words, the name of the file should specify your name and the assignment number.

# CS 5200 Introduction to Database Management Solution to Homework #1

The following are both acceptable solutions:

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| First Solution |
| First Solution |

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| Second Solution |
| Second Solution |