CSCI 585 – Homework 1 Rubrics

Total points: 8
5 points for the ER Diagram
3 points for the report

File format - Should be a single PDF file as given in description -2 if found in any other format.
File name - Should be provided as given in description. No point deduction this time. We will start taking off points for not following the submission requirements.

Rubrics for ER Diagram:

Your ER diagram should represent the following things. -1 for each that is missed.
- Use a tool to draw the ER diagram.
- PK and FK should be marked.
- Fully depicted entities, attributes and relationships mentioned in problem description
- ER Diagram should have representation of Strong and Weak relationships. A Strong relationship should be indicated by adding the referencing foreign key to the primary key of the entity. They should be distinguished by dashed and solid lines.
- M:N relationships should be created with a bridge entity.
- ER diagram should use meaningful notations that are standard and discussed in class. Any weird notation will be penalized.

Rubrics for Report:

All assumptions must make sense.
-1 for each assumption that doesn't make any sense
-1 for each assumption in the report that doesn't match with the ER-diagram.
-1 for incomplete explanation of design

Report should discuss the tradeoff or design decisions that were taken rather than refer to the homework description. -1 if it just refers to statements in homework description.

Note: This is an exercise to help you think in terms of design decisions that you take when designing large scale databases. It is important to question your decisions, write substantiating statements and discuss the trade-offs in your design.