# Assignment 2 – ERD

Your next assignment is to construct an ERD for the entities that you identified in assignment 1. The ERD is the implementation plan for the rest of the database. It is important that you identify all of the entities and attributes that you will need to model your database. Think of this as sketching out the classes that you will need for a large Java project; you will inevitably forget things, but proper planning prevents poor performance.

Ensure that you use the format laid out in the slides for your ERD. There are many tools out there that will generate different styles of ERD. Think of my style as the “corporate standard” for where you are working and follow it. Variance from the standard will be penalized.

I require that you use a computer based tool instead of pencil and paper. These are documents that are part of your work; you wouldn’t consider hand-writing a user manual, would you?

Please ensure that your name and date are on the document.

**Your ERD must be submitted as an image (jpg, bmp, tiff, gif, png, etc) or as a PDF.**

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| Rubric | Poor | OK | Good | Great |
| Professional Appearance | Not professional (0) | Hand drawn or poorly formatted (3) | Reasonable, but crowded or excessively spread out. Untidy. (7) | Neat, clean, nicely laid out. (10) |
| Relationships | No relationships(0) | Both: Relationships missing, relationships wrong (7) | Either Relationships missing, relationships wrong (14) | All relationships in place and correct (20) |
| Attributes | No attributes (0) | Many missing attributes (7) | Few missing attributes (14) | No missing attributes (20) |
| Entities | No entities (0) | A few entities(3) | Any of:  Missing entities, poor names, wrong shapes (7) | All entities, good names, drawn correctly (10) |
| Cardinalities | No cardinalities (0) | Few/mostly incorrect cardonalities (7) | Most cardinalities and most correct (14) | All cardinalities in place and correct (20) |
| Primary Keys | No primary keys (0) | Few and/or incorrect PKs (7) | Most tables have correct PKs (14) | All tables have good PKs (20) |