Homework 3

Data Model Design

This homework will focus on concepts related to the creation of a data model.

It is due on Monday February 10 **at 15:59pm** and should be submitted electronically on the class Submitty site.

1. You have been hired to help develop a database for the sales system for a new store that will sell board games. The system should support the following:

   - Inventory management (both what games are in stock for a given store location and what games are available for order)
   - Customer management (for sales and marketing purposes)
   - Order management (orders that have been placed by customers, both for delivery and for pick-up in a location)

   (a) (12 points) Draw an Entity-Relationship diagram for your system.

   (b) (8 points) Convert your Entity-Relationship diagram into a relational schema