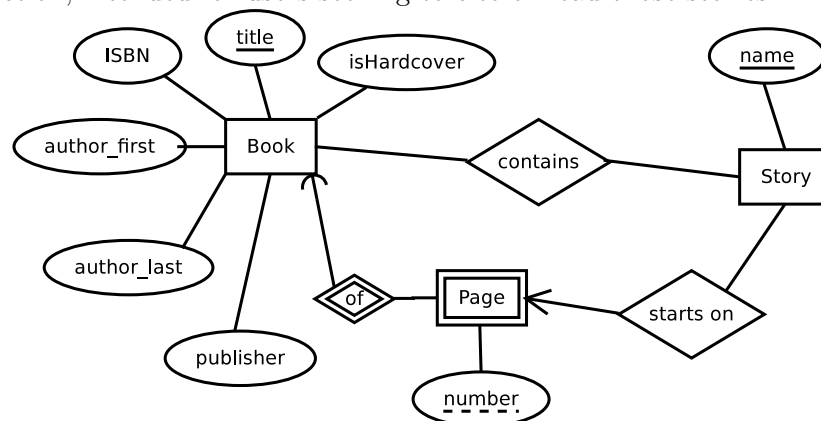# Homework 3

Due: 3 February 2015

Problem 3.1

From the perspective of a bank customer, the requirements of the bank's database are simple: they need to be able to see what accounts they have, how much is in them, and a history of transactions to and from their own accounts (with each transaction including the amount and the other party) and between their own accounts.

　　a. Draw an E-R diagram structuring this particular external view of the database.

　　b. List some of the things that the overall bank database will need to keep track of but that aren't in this view at all, or are only present in a simplified form. You don't have to draw out an entire conceptual schema for the bank database.

Problem 3.2

Critique the ER schema below, intended as a view of library or archive data that includes some metadata about short stories that can be found in their collection, intended for users seeking to cite or read those stories:

What is reasonable about it? What is bad? Where the design is bad, explain why (and be specific). Clean it up and draw an improved version.