CSci 4707
Homework 1 Solution
Spring 2015

Chapter 1 and 2
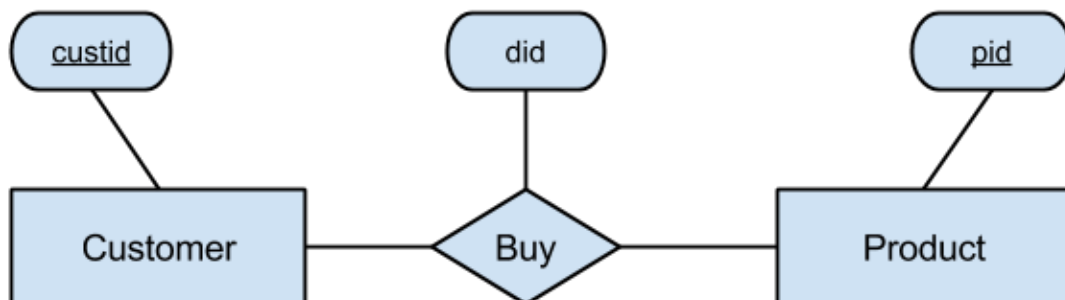Due Tuesday, 02/10/15 14:30

B1.

- Crash Recovery
- Security and Access Control
- Special code for different queries
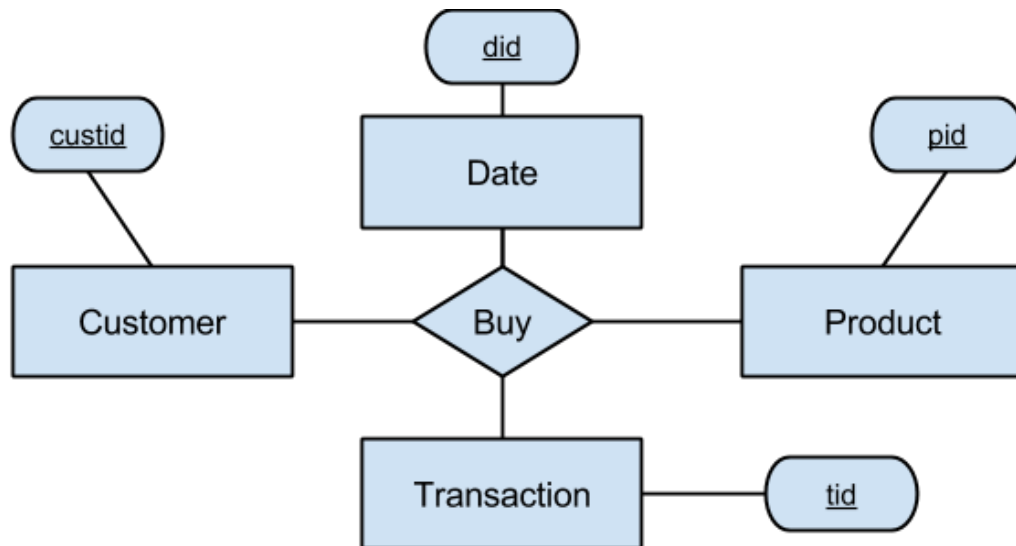- Protect data from inconsistency due to multiple concurrent users

B2.

- Requirement Analysis
- Conceptual Database Design
- Logical Database Design
- Schema Refinement
- Physical Database Design
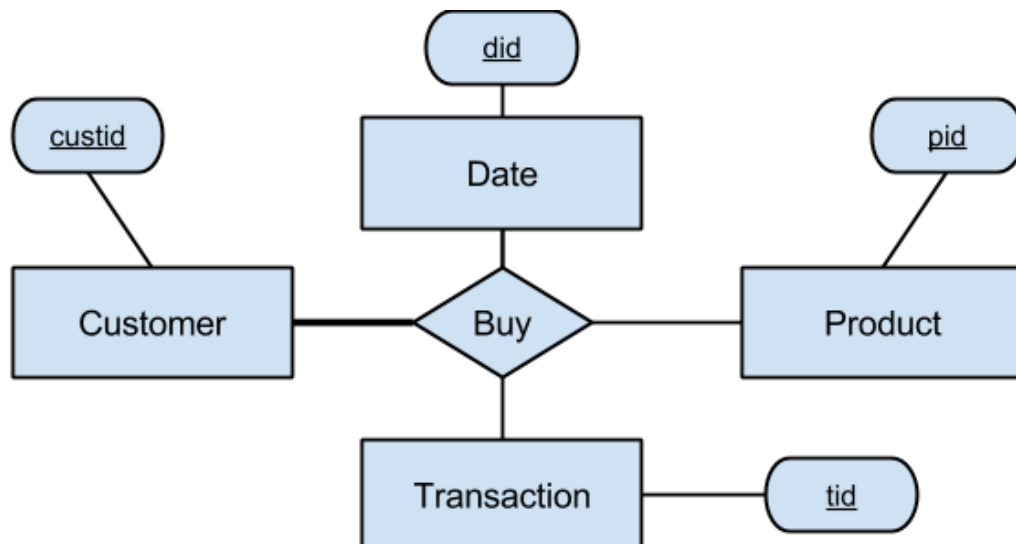- Application and Security Design

C1a.

C1b.
Note: This problem is omitted since it is too difficult. If someone is able to solve it, we will give extra 5 points for this. Extra point cannot make grade more than 100. But the rest will be saved for the following assignment. One way to answer the question is:
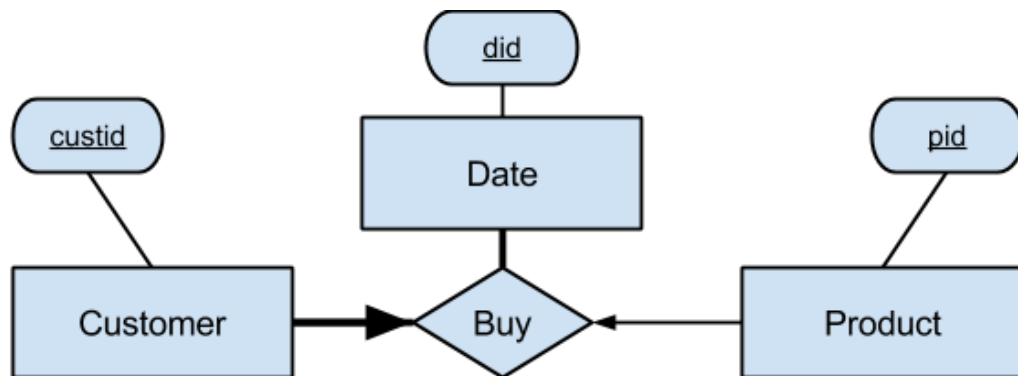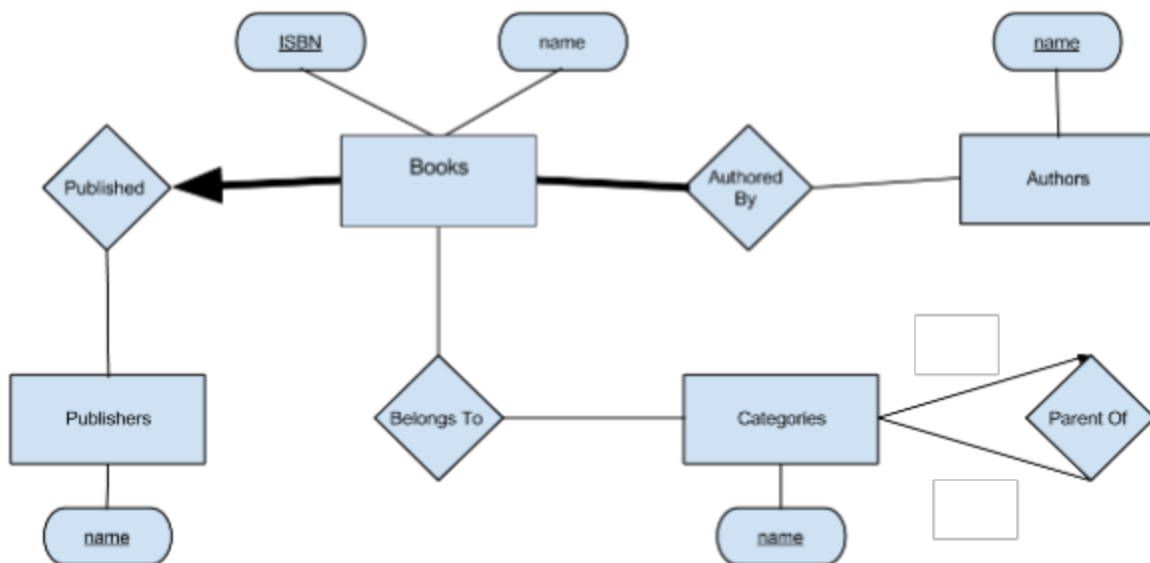

C1c.
Note: This problem is omitted since it is too difficult. If someone is able to solve it, we will give extra 5 points for this. Below is the answer to the problem.
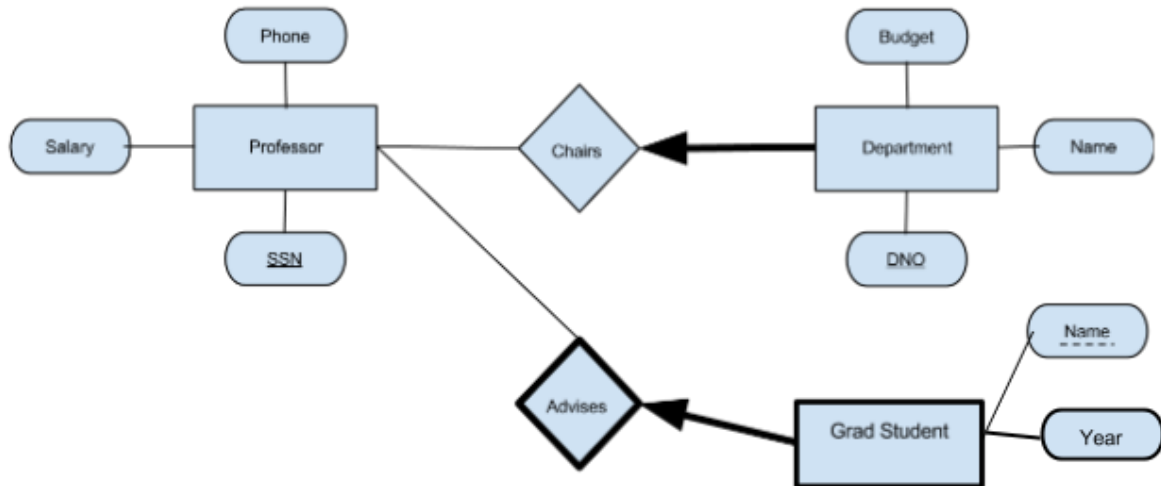
C1d.

did

custid

Date

pid

Customer → Buy ← Product

C2.

ISBN   name   name

Published ← Books   Authored By   Authors

Publishers   Belongs To   Categories   Parent Of

name   name

C3.

C4.