

## CS 348 – Assignment #1

1. Choose one information system that you know about. Tell me what type of database records, reports, integrity/privacy rules are needed. (see sections 1.6.1 → 1.6.3, page 14, chap. 1).
2. What is the difference between file-processing system and a database system?
3. What are the different database models? Give an example of an information system where they can be used.
4. What is the purpose of a Data-Manipulation Language and Data-Definition Language?
5. What are the four requirements in transaction management?
6. What is data mining?
7. What are the different physical storage media? Can you name a company who makes them? (see chap. 11).
8. What are the performance measures of Disks? (see chap. 11).
9. What type of indices can one create for better search in a database? (see chap. 12).
10. What is a B-tree? Give an example. (see chap. 12).