CMSC 132 Quiz 2 Worksheet

The next quiz of the course will be on Monday, Sept 19 during your lab (discussion) session. The following list provides more information about the quiz:

- The exercise is about UML class diagrams.
- Answers must be neat and legible. We recommend that you use pencil and eraser.
- An in-lab exercise counts as a quiz.

The following exercises cover the material to be included in this exercise. Solutions to these exercises will not be provided, but you are welcome to discuss your solutions with TAs and instructors during office hours.

**Problem 1**

1. Write an UML class diagram for a telephone billing system. Possible classes in your diagram are TelephoneCall, TelephoneNumber, etc.

2. Write an UML class diagram for a video store.

3. Write an UML class diagram for a system that accepts electronic submissions of computer programs similar to the submit server used in this course.

4. Many cable companies offer a service called DVR (Digital Video Recording). In this service a hard-drive (around 120 Gigabytes) is used to store shows a user wants to record. Write an UML diagram for the software that will control such a system.