CMSC 132 Quiz 1 Worksheet

The first quiz of the course will be on Wednesday, Feb 15 during your lab (discussion) session. The following list provides more information about the quiz:

- The quiz material is Object-Oriented Design, Software Design and UML class diagrams.
- Answers must be neat and legible. We recommend that you use pencil and eraser.

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

**Software Development**

1. What is the Software Life Cycle?
2. What is the Unified Software Life Cycle?
3. Exercises for section 1.2 which can be found in page 13 of your textbook (Koffman/Wolfgang).
4. Questions 1 through 5 of the “Review Questions” section which can be found in page 56 of your textbook (Koffman/Wolfgang).

**UML Design**

1. Write an UML class diagram for a system that accepts electronic submissions of computer programs similar to the submit server used in this course.
2. Write an UML class diagram for Problem #4 (Page 57) of your textbook (Koffman/Wolfgang). You do not need to implement the program.
3. 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.