Homework #1, Version 1.0
EECS 398M: Software Engineering
Due November 7, 2002

You are to create six UML diagrams: two generalization diagrams, two sequence diagrams, and two use-case diagrams. All diagrams are to be created using the special version of *ArgoUML* running on several machines in Olin 513. Your diagrams should describe different classes (or their objects) from the Java 1.4 API Specification (see java.sun.com/j2se/1.4.1/docs/api/). The classes you describe should be chosen from the Java API classes whose names begin with the first letter of your last name, unless there are fewer than 6 suitable classes to choose from, in which case you may choose classes beginning with other letters. For the generalization diagrams, you should choose classes with at least three subclasses and/or superclasses or interfaces. Each sequence diagram should describe at least three objects of different classes and at least five total messages. You may include one or two objects of classes you invent, such as client classes. In this case, be sure to describe their interfaces in your generalization diagrams.

A schedule will be posted on the class web page (www.eecs.cwru.edu/courses/eecs398/) of times during which proctors will be available in Olin 513 to let you in an help you with ArgoUML. Please come to Olin 513 only during the scheduled times. Work out your UML diagrams on paper in advance, so you won't need to occupy a lab computer for too long. Try to come to 513 as early as possible; if you come just before the deadline, machines may not be available. Remember to record any ArgoUML failures/problems you observe in the Notepad window that pops up when you start ArgoUML, and then save the file. After creating a diagram, exit ArgoUML and Notepad, and start ArgoUML again to create the next diagram. Currently, to start ArgoUML, you type

`doCaptureArgo` *YourFullName*

at the command prompt. Note that *YourFullName* should be your full name, without any spaces. Your ArgoUML sessions will be captured, but you should also save your UML models separately and/or print them. Note that the method of invoking ArgoUML may change by the time you get to the lab, so check with the lab proctor.

Information about ArgoUML can be obtained at argouml.tigris.org.