

CIST 2371 Introduction to Java

Unit 04 Lab

Due Date: _____

Create a folder called Unit04 and put all your source files in this folder. You will create two class files and a UML diagram that documents them.

Create an **Automobile.java** class file. This class holds the following data as Strings: Vehicle ID number (VIN), make, model and color. Include getter and setter methods for each field. This class will NOT have a main() method. Create an **AutomobileTester.java** class file. This class will have only a main() method. In the main() method, create an Automobile object, then prompt the user from the console for each data field, and set each of the object's data fields. Then get the data out of each field and print it out. This way you test each of the methods in the Automobile class.

Create a UML diagram that shows the two classes, their attributes and methods. Also show the relationship between the two. The UML diagram should be drawn using UMLet drawing tool. The diagram should be exported as an image and then imported into a word processing document as demonstrated in class. The document should have your name, course assignment and date at the top like this:

Sally Doe
CIS 2371 Summer 2014
Unit 04 Lab
June 12, 2014

The file should be an PDF formatted file and be named Unit04_<first initial><lastname>.pdf, for example Unit04_sdoe.pdf. Any word processor can save or export to PDF.

What To Turn In

You will zip up the source code files and your word document with the UML diagram document in the Unit 04 folder into a zip file named Unit04_<your first initial><your lastname>.zip. For example Tom Swift's zip file would look like this: Unit04_tswift.zip

Be sure to test this file before turning it in. Copy it into a temp folder, unzip it and try to compile and run the files in that temp folder.

Once you are satisfied that your zip file is OK, turn it in via the ANGEL drop box for this Unit.

The Comment Block

EVERY source code file you turn in for this course must have this comment block (customized for the situation) or you will get no credit (kind of like forgetting to put your name on your term paper – bad move).