CS 125 – Introduction to Computer Science Fall 2008

Assignment 08 – Java Concepts Chapter 08: Interfaces & Polymorphism Due: Monday, Nov 24th
Exercise P9.6

Using a different `Measurer` object, process a set of `Rectangle` objects to find the rectangle with the largest perimeter. You need to supply the class `PerimeterMeasurer` in your solution. The source code for `DataSet` & most (but not all) of the tester are as a separate link on the course homepage. Produce a UML for your program & turn it in in-class on Monday.

Extra credit: Exercise P9.5

Modify the implementation of the `DataSet` class in to also compute the minimum data element. Use the provided tester to verify your code. Note: your modifications should not change the results of the standard tester.

Put a copy of your source code files**,** into a **.zip** file named **CS125-A08-YOURNAME.zip**. The only thing in the zip should be your source files, & possibly some folders to organize them. Note: if you have trouble creating zip files in the labs, refer to my tutorial on my CS104 course page.

Upload the **.zip** file to Moodle.

The following rubric will be used for grading:

Description	**Points**
Correct filename(s) are used	**1**
Source code content – `PerimeterMeasurer` implemented	**3**
Source code content – `PerimeterTester` implemented	**3**
Source code compiles without errors	**3**
Program executes	**2**
Program output is correct	**2**
Any/all classes are documented	**3**
Any/all methods & constructors are documented	**4**
Any/all parameters and return values are documented	**2**
UML diagram for your program	**2**
TOTAL POSSIBLE POINTS:	**25**
Extra credit: working, documented `DataSet` computes the minimum data element	**5**