

CSCE 156 – Homework 2 Rubric

Name(s): _____ Total: _____ / 100

CSE Login(s): _____ Grader: _____

What needs to be turned in:

- Your design document (hardcopy) 1 week prior to the assignment due date
- This rubric (hardcopy)
- Your Runnable JAR file (`DataConverter.jar`)
- A zip archive of your source (`DataConverter.zip`)
- Your test case files (`Persons.dat`, `Assets.dat` and either `Persons.xml/Assets.xml` and/or `Persons.json/Assets.json`)

Grading will be based on the following items.

1. Programming Style

Items	Grader Notes	Points	Score
<ul style="list-style-type: none">• Following instructions		5	
<ul style="list-style-type: none">• Meaningful variable names• Proper use of whitespace• Consistent style• Dead code removed		5	
<ul style="list-style-type: none">• Comments provided in the code to specify the functionality or the objective of the particular block of code		5	
Subtotal		15	

2. Program Correctness

Items	Grader Notes	Points	Score
<ul style="list-style-type: none">• Correct file names• Correct class & package names• JAR file contains source code as specified		2.5	

<ul style="list-style-type: none"> JAR runs through webgrader JAR opens data files as specified 		2.5	
<ul style="list-style-type: none"> All test cases on the webgrader properly execute with correct and accurate output Output is valid and well formatted 		30	
<ul style="list-style-type: none"> A valid, non-trivial test case has been submitted with the correct file names, is well-formatted, and correctly executes 		15	
Subtotal		50	

3. Program Design

Items	Grader Notes	Points	Score
<ul style="list-style-type: none"> Classes are implemented and used properly 		10	
Classes are well-designed <ul style="list-style-type: none"> State and interface make sense Encapsulation is respected Each member field has an appropriate type Each class properly models the entity it represents Constructors are appropriately defined and used Accessor (and maybe mutator) methods are properly implemented 		20	
Subtotal		30	

4. Misc & Bonus

Items	Grader Notes	Points	Score
Misc – If there are notable problems with your program not enumerated in this rubric, points may be deducted, otherwise full credit will be given.		5	
___ Bonus: Program outputs files in both XML and JSON format		(10)	
___ Bonus: Test case provided 1 week ahead of time along with the design document		(10)	
Subtotal		5	

Bonus/Honors Items

There are a couple of opportunities for bonus points. If you attempt any of the bonus point items and want them to be considered, check the items in the table above. Those enrolled in the **Honors section** of this course are *required* to complete all the bonus items; the total for this assignment will be adjusted appropriately. Bonus points will be awarded for the following items.

- Creating and sharing (in advance of the due date) a substantial and non-trivial test case. You must include all data files and provide an expected output result (you should provide these as separate input and output plaintext files as specified). Hand these in (via webhandin) and inform the instructor at least 1 week prior to the due date to receive extra credit.
- If your program produces both XML and JSON formatted files, it is worth bonus points. All 4 output files should be produced on one invocation of your JAR file.