**CS/COE 1501 Assignment Information Sheet**

**You must electronically submit an information sheet with every assignment. Also be sure to submit all materials following the procedures described in the assignment description.**

Joshua Spisak

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Assignment #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Wednesday 6:00 PM – 8:30 PM

**Lecture Day and Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Friday 2:00 PM – 2:50 PM

**Recitation Day and Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Friday, October 18, 2019

**Program Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Friday, October 18, 2019

**Submitted Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Version 8, Update 211

**JDK Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Source code (.java) file name(s):**

src/PHPArray.java src/Assig2.java

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Yes

**Does your program compile without error?: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**If not, what is/are the error(s)?:**

N/A

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Yes

**Does your program run without error?: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**If not, what is/are the error(s) and which parts of your program run correctly?:**

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A different exception is thrown on my computer when the array\_flip() is executed.

An exception is caught when an array flip is executed that can’t happen. Program does not crash.

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Another issue I had is the I don’t get any errors when trying to use Stringbuilder in the class. It runs. 

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At a certain point in java 11 StringBuilder became comparable… this makes me doubt my java version.

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**Additional comments (including problems and extra credit):**

Implementing merge sort on a linked list was a pain in the butt, but I figured it out.

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I implemented a general merge sort function (n log(n) efficiency) and from there I was easily able

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To impement usort, uasort (custom comparator can compare either keys or values), ksort, krsort,

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I also put in a range() function.

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