

1. Do you have any special instructions to the one who will test your program? (If yes, explain.)
  - a. Upload all the files attached to your server.
  - b. Make sure to change the \$URL = 'http://localhost/assignment1/fall20Testing.txt';
  - c. Load Fall2020\_PHP\_Program.php file address in your web browser.
  - d. See the results.
2. How long did you spend to do this assignment?
  - a. I spent a whole weekend.
3. What problems (if any) did you encounter in this assignment, and if yes, how did you solve the problems?
  - a. The main problems I encountered were related to php built-in functions and php classes.
  - b. The first problem was to try to implement the same structure as the java program. For this problem I googled a lot to find the way php handles classes and constructors. Then, I needed to know how php calls its methods, so the answer was "self::method or variable name".
  - c. Then, read the file from my server.
  - d. The Token class was the most confusing one because it looks like there are two constructors in the java class, so to implement this in PHP, I just used one constructor with two parameters, and it worked.
  - e. After that, the tokenizer class was not so difficult until I encounter the while loops where the method checks if it is a blank-like char, INT char, ID or reserved word. This was the part that most took me time to solve because I could not find the build-in php functions after a while.
  - f. It took me some time to translate the java code to php code, but once my classes and variables were well-implemented, it was easy.
4. How effective was this assignment at helping you learning PHP?
  - a. Honestly, I did not like this assignment because I was expecting more like building a website or something like that assignment. However, I did learn a lot from this exercise. I now know how to implement classes in php.
5. Do you have any suggestion for a similar assignment next time we teach this course?
  - a. It is good for learning php; however, it is very challenging at first depending on people's OOP knowledge. It would have been very difficult without the java files.