Secure Web-Based Systems   Fall 2017
CS 4339/5339   Professor L. Longpré

Assignment 2, modifications and update

I have modified the provided Java program that parses and evaluate our simple language. The modified program is included in this folder. the language syntax and semantic has not changed. The Java program has changed as follows:

1. `main`: The program was modified to allow parsing and evaluating several programs on one run. Instead of reading a program directly, `main` reads a file `programs.txt` which contains a list of URLs, one per line. Then it enters a loop to parse and evaluate each of the programs on the list. Other than that, some statements may have been reordered because some intructions should be in the loop and some shouldn't. Also, the statement that prints the `values` array was removed.

2. `execResults`: A typo was fixed, changing a lower case `t` to uppercase.

Create a PHP program that produces exactly the same output as the provided java program. Some clarification: your program should simulate correctly the exceptions that are caught by the Java program. Your program will only be tested on valid URLS and it does not have to simulate errors due to invalid URLs.

Notes: When writing the PHP version of the program, I had some trouble witn new lines. While a `\n` in a String in Java can match new lines on different computer platforms, a PHP program acts differently. To be safe, skip both `\n` and `\r` as white space, or use the PHP constant `PHP_EOL`.

I have created a link to test your program. To do this, you will to save your PHP files to a web server reacheable from a PHP program stored on the UTEP server. The link is;

`http://cs5339.cs.utep.edu/longpre/assignment2/testPrograms.html`.

The form is prefilled with the link to my PHP program. You need to be at UTEP or VPN to UTEP to access the UTEP's web server. You will soon have an account on UTEP's web server. Place a copy of your program in a folder. Keep the name of that folder secret, so that other students cannot guess and access your program.

Write a report that contains the following:

1. The URL of your PHP program.

2. How long did you spend to do this assignment?

3. What problems (if any) did you encounter in this assignment, and if yes, how did you solve the problems?

Turn in: Turn in by sending en e-mail with a .zip attachment containing your program file(s) and your report. Please use the subject line:
"CS4339 Assignment 2 submission or "CS5339 Assignment 2 submission".
Late Homeworks: The penalty for a late homework is 1% per hour for up to 10% for up to 24 hours late. Submit what you have by then. You may submit this assignment again. The deadline for the second submission is three weeks after the original deadline. We will calculate a new grade as the average of the two submissions, up to a maximum of 80%.
Updated due date: October 6, 11:00pm.