Guidelines for Moss

Plagiarism Check for Programs

http://theory.stanford.edu/~aiken/moss/

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*Note: this guide is Unix-based. Errors might happen under Windows environment.

Step 1 - Prepare Files Accordingly

(The working directory here is where all files and directories are located, including moss.pl, solution_directory, base_directory, solutions, and potential archived result from Moss)

- Download all students' codes from blackboard and unzip them under "solutions" folder.
 - Note: under solutions, there must be *directly* zip files of submissions of each student with no archive folder.
- Execute copyFile.sh like:
 - ./copyFile.sh solutions

(Note: After execution, solutions folder should contain folders named like "Project1Task1AndrewID". However, there are students who don't name their Netbeans project zips as required. We need to manually check any outliers.)

- Create a folder named "solutions directory".
- Copy students' submission folders to **solutions_directory** task by task. For example, sort folders by name and copy all folders named "Project1Task1AndrewID".
- A valid directory containing all students' solutions should look like this:

• Create another folder called "base_directory". If there are sample codes provided by the faculties, add source codes into this directory. (Note: base files need be served one by one as parameters in moss.pl).

Step 2 – Execute the Submission Program

Execute moss.pl given parameters: (Please read the instructions in moss.pl for more details)

```
./ moss [-l language] [-d] [-b basefile1] ... [-b basefilen] [-m #] [-c "string"] file1
file2 file3

For example:
./moss -l java -d -b base_directory/file1.java -b
base_directory/file2.java -c "Project1"
solutions_directory/*/*
```

Wait until the program provides a url for results. And this might take a short while like one or two minutes

Step 3 – Fetch Results from Moss

Moss platform is deployed as an online service, we don't have access directly to the system, but we can access the result given by Moss.

 Option 1: View on browser http://moss.stanford.edu/results/result#

(if you can't execute it, execute: chmod 777 moss.pl)

Option 2: download for local archives
 wget -r -np http://moss.stanford.edu/results/result#

Step 4 – Check Results

In the webpage, we will get results given by Moss. The results are *somewhat* sorted by percentages that two files have in common. We need to MANUALLY go into top-rated files before making any conclusion about academic plagiarism!

Screenshots:

