**Exercise on GitHub and Git**

In this course, we will be using GitHub for assignment submissions.

The goal of this exercise is to get you started with Git and GitHub. Even if you are using Git and GitHub regularly you need to do this exercise and submit it. If you already did it, you still need to create the required repositories!

Please follow the instructions completely. Work that does not follow the instructions (including naming conventions) will NOT be accepted and will result in a grade of 0.

**Part 1:**

Create a GitHub account (if you do not have one)

<https://github.com>

Submit your GitHub username in the required form.

The file should be organized alphabetically by last names.

In the future I will check your work directly from your GitHub account.

**Part 2:**

Install Git bash <http://git-scm.com/downloads> and browse the documentation.

**Part 3:**

Answer the following questions.

What is GitHub? When was it created? Why? By who? What similar platforms exist? Why would you use such a platform? (Answer between 5 and 10 lines)

Answer these questions in a Word file called *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx*. Please respect the naming conventions!

**Part 4:**

Go through the Git tutorial here: <https://try.github.io>. While doing the tutorial, save your work the *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx* file.

**Part 5:**

Define the following terms in the context of Git (2 lines maximum):

* Repository
* Commit
* Push
* Branch
* Fork
* Merge
* Clone
* Pull
* Pull request

Answer these questions in the *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx* file.

**Part 6:**

Push the Word file in **YOUR** GitHub account in a repository called ***CSXXX20XX***. Please respect the naming conventions! You will use this repository this semester. Your repository will be accessible at: [https://github.com/yourpseudo/CSXXX20XX](https://github.com/yourpseudo/CSXXX2016).

**Part 7:**

Retrieve the README.md file at:

<https://github.com/paceuniversity/courses>

Add your name (lastname, firstname) in the file, **add a comment (date and time) (REQUIRED)**, and update the README.md file at: <https://github.com/paceuniversity/courses>. Your name should appear at the provided <https://github.com/paceuniversity/courses>. Please check the work of previous students.

List the commands and strategy you use to do this part of the exercise in the *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx* file and push it to: [https://github.com/yourpseudo/CSXXX20XX](https://github.com/yourpseudo/CSXXX2016).

Please note that I may have to accept the change before it appears for you. Hint: I will have to merge your pull request and you will get an email when I will do it.

**Part 8:**

Add an issue with title “GitHub training” in your repository called CSXXX20XX. Issues will be used for tasks and bug reports.

**Part 9:**

Edit the main page of the wiki in your repository called CSXXX20XX. Add the title “CS XXX 20XX” to the page. The wiki will be used for documenting your work.