Homework: Source Control Systems

This document defines homework assignments from the "Teamwork and Personal Skills" Course @ SoftUni. Please submit as homework your **developer account at GitHub**.
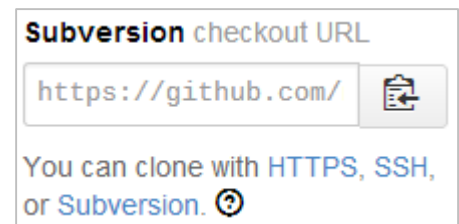
Problem 1. Create Your Own GitHub Developer Profile

Register for a free **developer account at GitHub**: http://github.com. Submit your developer profile's URL as output of this homework.

Problem 2. Upload a Few Projects at GitHub

Upload a few of your projects at GitHub. This could be your homework exercises for the last few courses, your teamwork projects or any other projects that you might want to share with the developer community.

Problem 3. Install Subversion Client

Install a **Subversion client** (SVN client). In Linux and Mac use the console-based client (**svn**) or any other you might find useful. In Windows use **TortoiseSVN** – http://tortoisesvn.net/downloads.html.

Problem 4. Play with SVN

Checkout some of your GitHub repositories through the SVN client. You might find the Subversion URL of your repository at the bottom right corner at GitHub. Make some **changes** and **commit** them to GitHub from the SVN.

Problem 5. Install Git Client (Console-Based)

Install a **Git client** (console-based). In Windows use **msysGit** – http://msysgit.github.io. In Linux install Git through your package manager (**apt-get** / **rpm** / **yum**).

Optionally install a Git GUI Client:

- **GitHub for Windows** – https://windows.github.com/;
- **TortoiseGit** – https://code.google.com/p/tortoisegit/wiki/Download.

Problem 6. Play with Git

Clone some of your GitHub repositories through the Git client. Make some **changes** and **commit** them locally, then **push** them to GitHub.

Problem 7. Merge Conflicting Changes

Clone some of your GitHub repositories **two times** in different local directories (**git clone**). Make some **conflicting changes** in the both local repositories (e.g. add something at the end of some text file). **Commit** the changes in the first local repository (**git add .** followed by **git commit**), then **push** them to GitHub (**git push**). Try the same with the second repository. You will need to **merge** the conflicting changes (**git pull**), them commit and push again.

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