# PROJECT CORE PHASE – Traffic Lights System

# Group “E”

Git(Hub) – Good Practices Document

19.02.2015

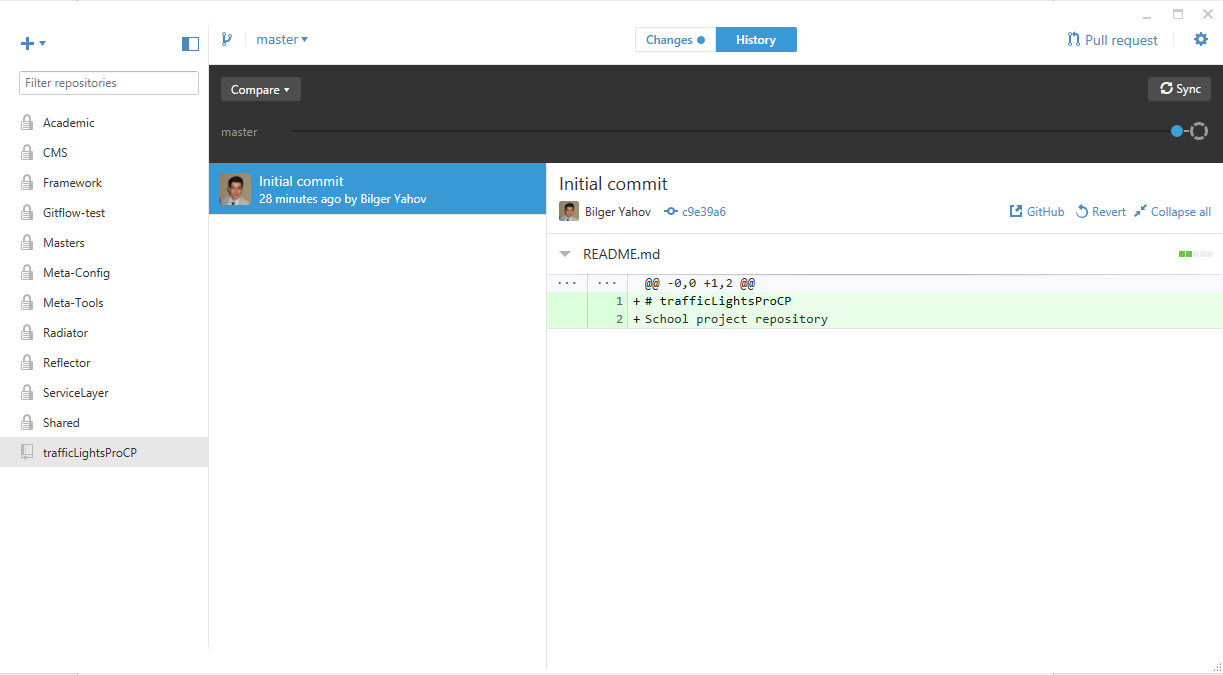
Created by: Bilger Yahov

1. Download Git for your Operating System from <https://github.com/>
2. Install Git. (If you encounter any difficulties, contact me.)
3. If you don’t have an account – then create one.
4. Clone this repository to a local drive

<https://github.com/bilgeryahov/trafficLightsProCP>

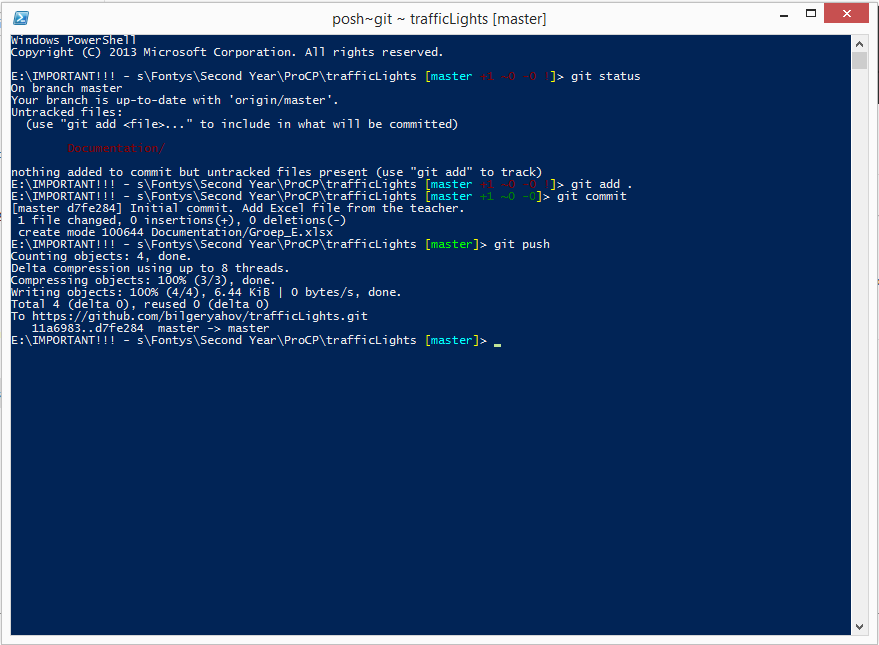
Continues below…

1. After opening Git client you should be able to see this



1. On the left you can see your repositories. Of course not the same as mine. We should have one in common which is “trafficLightsProCP”.
2. In the “History” you can see the history of commits by all the project members or so-called repository contributors.
3. Right click on the “trafficLightsProCP” repository and open the Git Shell.

Continues below….



1. After opening Git Shell you should be able to see this on your screen. We will be using it to run simple operations like commit, push and pull.

Commands:

To pull the last changes from the “Master” branch use command

**git pull --ff-only**  (watch out that before ff there are two dashes!)

The command is self-explanatory and there is no need to explain what it does.

To push your changes to the repository use the commands in this sequence

**git add .** (watch out that after add there is white space and after it comes the dot)

This command adds all the tracked files from your local copy to the “waiting list”.

**git commit**

After this command notepad opens. Without moving the cursor just type your commit message and click “Save” to the file. You do not need to save the file somewhere locally! Just pres Ctrl + C and the magic is done!

This command commits all the changes from the “waiting list”.

**git push**

This is the last command of pushing your local changes to the repository.

This command pushes all the added and committed files to the “Master” branch of the repository.

Continues below….

Here I will give an overview of how to use the commands in a sequence.

After making your changes keep the following steps:

**git stash** (this command parks your changes somewhere aside)

**git pull --ff-only** (this command pulls all the changes from the Repository

**git stash apply** (this command gets your changes back from the parking spot ☺)

**git add .** (WATCH OUT THERE IS WHITE SPACE AND THEN A DOT this command adds all the tracked files to the waiting list)

**git commit** (this command commits all the files)

**git push** (this command pushes all the changes to the master branch)

For now we will not use branching. I tried to do some stuff with branches, it is not easy and it will take time to get used with especially if you have never worked with branches before.

Remember that this document will not make from you a Git guru.

By no means none of us has master experience in Git. We will encounter a lot problems and we will be trying to fix them all the time. Keep positive and learn by doing from each other ☺