20111146 Ibukun Oreofe Bello and 20110307 Huseyin Özdemir Kulaoğlu

Department of  Computer Engineering

[Github user manual]

**GitHub**

***GETTING ON WITH VERSION CONTROL SYSTEM***

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1. **Creating an Account on GitHub**

First of all, you will need to go to “[*https://github.com/*](https://github.com/)” web page. After visiting this web page, you are going to see sign up and sign in options at the top right corner of the GitHub web page. In order to create an account, sign up option must be selected. Having done this, you should see the page as the same as given below.

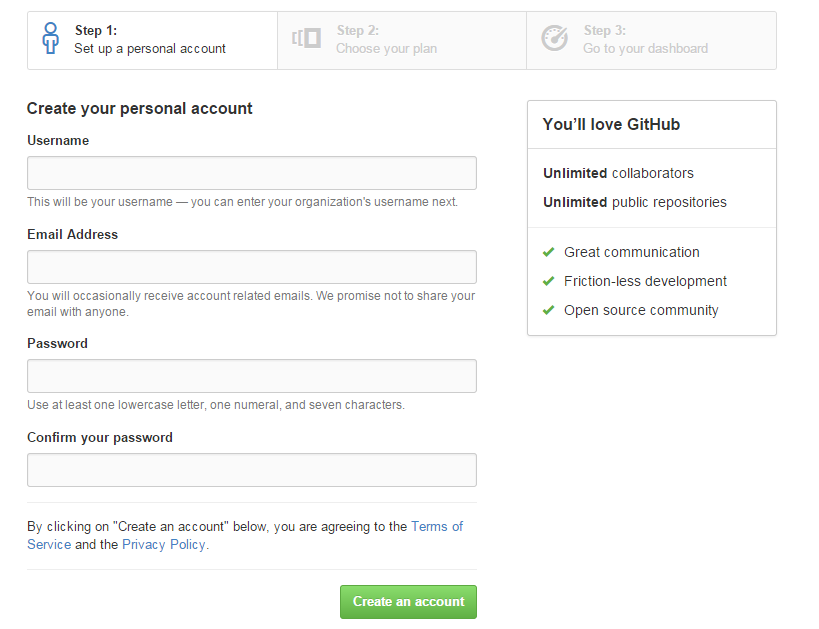


Figure 1.0 : Create an Account on GitHub

In username field, your name can be entered or whatever you like. In email address field, frequently used mail address must be entered and you must choose strong, unforgettable password and it must be entered password and confirm your password fields as the shown in Figure 1.0 . When you complete this task, you must choose create an account, and email account will be checked to validate your mail address to ensure that your account. Now you are ready to use the GitHub as an online. In order to be log in to GitHub system, at the top right corner sign in option must be selected. Then username and password must be entered to enter the GitHub account.

1.1) **Creating and Configuring Repository**

After entering the GitHub account, you will see your username at the top right corner of the web page. Beside of the username, plus sign must be selected and it will show two menu which are “*New Repository*” and “New Organization” as shown in Figure 1.1 . In order to create the repository, “*New Repository*” option must be selected. Having done this, you will see the page as the shown in the Figure 1.1 .

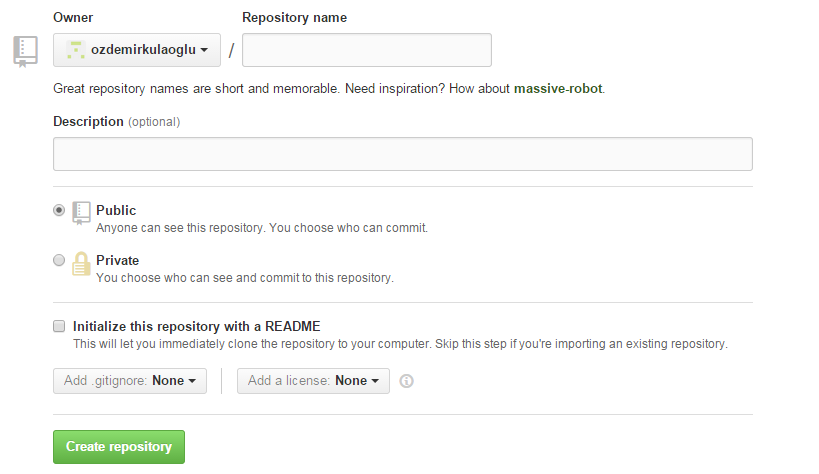


Figure 1.1 : Creating and Configuring Repository

In repository name section, meaningful name must be put like a project name. In description part, the user may enter a sentence to describe the repository if the user would like to do it. Otherwise, this part can be leave empty.

There are 2 options under the description part:

* Public means that, created repository is going to be visible for everyone. So that people can make any changes on that repository.
* Private means that, created repository is going to be seen by only specific people who are working and eligible to make changes on that repository. But make sure that, this section will be costly for the user.

Therefore one of these options can be selected according to user needs.

After creating the account, it is possible to add any people you want who are going to work in this project. In order to add these people, you need to select new collaborator by selecting the plus sign that is located beside of your username. To understand better please have a look at the Figure 1.1 given below.

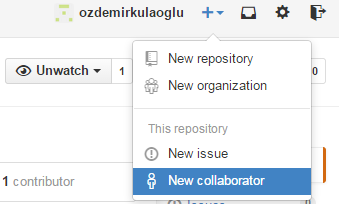


Figure 1.2 : Adding New People to Repository

1. **GitHub Installation**

GitHub has a good feature for software developers which is called computer application software. So this software provides more flexible environment to software developers to be able to share their work with their teammates. In addition, this software can be installed on Windows and Mac OS platforms.

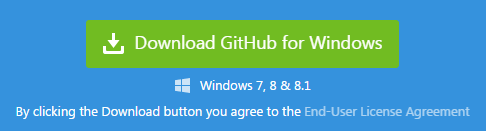
 

Figure 1.2 : Download GitHub for Windows Platform Figure 1.3 : Download GitHub for Mac Platform

In order to download this software for Windows or Mac platform, you must go to “ https://windows.github.com/ ” or “*https://mac.github.com/*” web page address and click the option as shown in Figure 1.2 and Figure 1.3 .

After completed the downloading procedure, please double click on GitHubSetup.exe installation file. Then application will ask a question like “*Do you want to install this application?*”. Please reply this question by selecting “*Install*” option. Having done this, whole program will be downloaded from the internet. When downloading process completed, two shortcuts of the github will be located on the desktop of your computer which are named as “*GitHub*” and “Git Shell”. Now, you are ready to access your work or repository by using one of these softwares.

2.1) **Cloning a Repository**

There are two ways to clone the created repository:

* Using graphical user interface version,
* Using command line version.

2.1.1) **Cloning a Repository URL**

Created repositories can be seen on the main page of the GitHub web page. To be able to go to main menu, your username must be selected. After completed this step, you will able to see created repositories by you and by another people. In “*popular repositories*” section, you are able to see the repositories that have already created by you. In addition, in “Repositories Contributed to” section, you are able to see the repositories that have already created by another people as shown in Figure 2.1 .

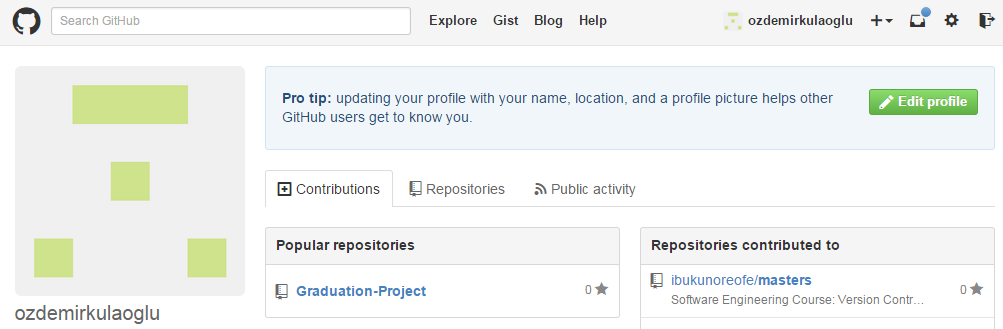


Figure 2.1 : Lists of Repositories

After come to this page, one of the repositories must be selected and it will display a new page as shown in Figure 2.2 . At the right bottom corner of the figure, you will see HTTPS clone URL field. Please find this field in your selected repository and select an image that is located beside of the link.

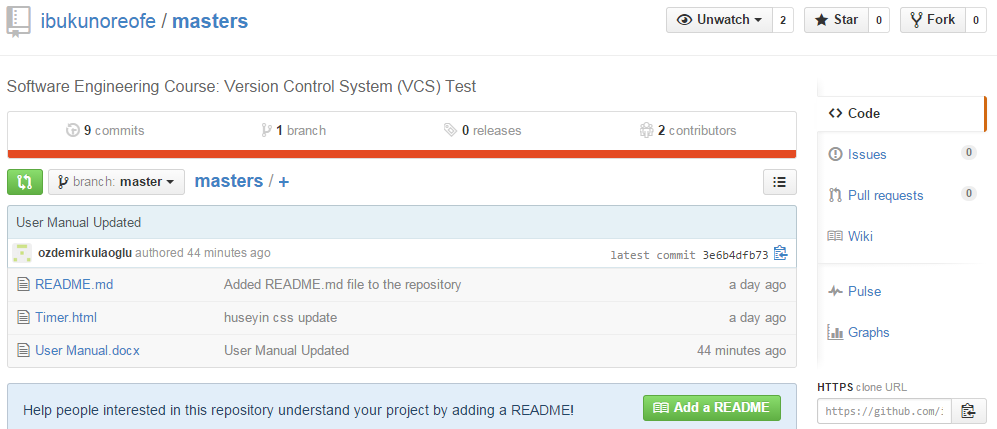


Figure 2.2: Cloning the Repository URL