

Github Details

August 12, 2017

1 Cloning Github Repository To Local Machine

1. Open your file explorer in Ubuntu or any other similar Linux variant to the location you would like to save your repository to.
2. Right click and select “open terminal here” to open the terminal in this location.
3. If you have never used github before, make sure to run the following commands:

```
git config --global user.name Your_Full_Name  
git config --global user.email youremail@wits.ac.za
```

where Your_Full_Name and youremail@wits.ac.za will be replaced with your own details.

4. Now type the following:

```
git clone https://github.com/jasonstuart/SE_Project_2017.git
```

This will clone the current repository to your machine.

5. At this point you can navigate into the created folder (which houses the repository). Currently, you will see a subdirectory called “Documents” which is where all our remaining documentation will be located.

2 Editing The Repository

When a new feature is going to be implemented, one must make sure to create a new branch for this feature and then add commits there until the feature is ready for deployment.

2.1 Creating a new branch

1. In your terminal, type the following command to create a new branch
`git branch BranchName`
where BranchName can be any identifying name you would like.
2. Change over to this branch now using this command:
`git checkout BranchName`
where BranchName is the name of your Branch you created.

2.2 Adding Commits

1. Once on the respective branch, and you have made modifications worthy of a commit, run the following code to add files to staging area.
`git add fileName`
with fileName being the name of the file modified
2. Now commit the changes using:
`git commit -m "YourMessageHere"`
3. Make sure to push this commit to the Github Repository using:
`git push`
and enter your github username and password when requested.

2.3 Merging Branch With Master Branch

Once you are ready to merge your branch with the master branch, you can then merge the branches using:

`git merge yourBranch`
making sure that you are currently in the master branch.

3 Accessing Documentation

Please note that all documentation will be contained in the Document Sub-folder on the Master Branch