**Git Basics on CMD -**

**Required\***

**Download Git** from https://git-scm.com/download/win

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**Modifying PATH on Windows 10:**

In the Start Menu or taskbar search, search for "environment variable".

Select "Edit the system environment variables".

Click the "Environment Variables" button at the bottom.

Double-click the "Path" entry under "System variables".

With the "New" button in the PATH editor, add C:\Program Files\Git\bin\

and C:\Program Files\Git\cmd\ to the end of the list.

Close and re-open your console.

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**Common Git Commands -**

1. git init

2. git remote add origin

3. git status

4. git add .

5. git status

6. git commit -m "test"

7. git push origin master

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1. Click on Properties and Copy the Project Path - C:\Users\NEW-PC\git\repository\VzAutomationTest

2. Open CMD and type cd C:\Users\NEW-PC\git\repository\VzAutomationTest

3. Initialize the GIT.

4. Enter "git init" on CMD

5. Now this will be shown "Initialized empty Git repository in C:/Users/NEW-PC/git/repository/VzAutomationTest/.git/"

6. On the particular path .Git will be created and it is hidden file.

7. Enter "dir" to check .git file created or not. (For mac its ls -alt)

8. Now for linking the project go to Github where project is available, click on code --> copy path ex: git@github.com:mohammedferozali/SeleniumPageObjectModel.git

9. Enter the CMD - C:\Users\NEW-PC\git\repository\VzAutomationTest>"git remote add origin git@github.com:mohammedferozali/SeleniumPageObjectModel.git"

10. To Link use this command git remote add origin git@github.com:mohammedferozali/SeleniumPageObjectModel.git

11. Link is done now and connnection has been established.

12. Enter "git status" to check the pending files to be added.

13. Enter "git add ." to select the files

14. Enter "git status" to see the ready to commit files. Files will be shown in green color.

15. Enter git config --global user.name "mohammedferozali" (Same name as given in GitHub)

16. Enter git config --global user.email "qatferoz@gmail.com" (Same email id as given in GitHub)

17. Now Enter "git commit -m "Pending Files"

18. Enter "git push origin master"

19. Below error message will be shown at first

20. The authenticity of host 'github.com (XXXXXXXXXX)' can't be established.

RSA key fingerprint is XXXXXXXXXXXXXXXXXXXXXX.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? no

Host key verification failed.

21. Click NO

22. Now you will see this error

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

23. Now create SSH Key - Public Key

24. Go to Github --> Settings --> SSH and GPG Keys --> New SSH Key

25. Go to https://docs.joyent.com/public-cloud/getting-started/ssh-keys/generating-an-ssh-key-manually/manually-generating-your-ssh-key-in-windows

26. Above is for generating SSH Keys.

27. Now Download PuttyGen to generate the SSH Keys https://www.puttygen.com/download-putty

28. Or Perform from GitBash (Refer this Video How to Generate SSH Key from GitBash https://www.youtube.com/watch?v=mNtQ55quG9M)

29. Open GitBash

30. Enter ssh-keygen

31. It will show where the Key generated with Path

Example - Enter file in which to save the key (/c/Users/NEW-PC/.ssh/id\_rsa):

32. Enter Thrice till you get the SSH key generated

33. Go to the created folder and see the SSH keys generated C:\Users\NEW-PC\.ssh

34. Open the id\_rsa.pub file in Notepad++ and copy the Key generated.

35. Now Go to Github --> Settings --> SSH and GPG Keys --> New SSH Key --> Paste the SSH Key.

"git clone" https://github.com/mohammedferozali/SeleniumPageObjectModel.git (GitHub HTTPS URL) to clone

"git pull origin master" is to pull the updated code from github

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**SourceTree -**

**Required\***

**Download SourceTree**

1. Click on Remote Project

2. Select GitHub from the dropdown

3. Enter the GitHub Authentication (AuthToken) - accept the pop up

4. Clone the Project from Github

5. Close existing Project from eclipse and import the cloned project

6. Now you can easily commit the changes.

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