—————————————————**GIT- GIT HUB**——————————————————————————————

GIT- Local Repositiry

GIT HUB- Global Repository

Install GIT: <https://sourceforge.net/projects/git-osx-installer/files/latest/download>

* Open downloaded fiel
* Double click on package file
* One pop up will be displayed-Click OK
* It will not download
* Go to Security and Privacy
* Below Git name showing-Open Anyway
* OPen
* Continue-next-next finish
* Command : git (to verify git installed properly)

Note: Refer Video for GIT setup: <https://www.youtube.com/watch?v=F02LEVYEmQw>

**Open GIT HUB Account:**

Open URL: <https://github.com/login>

Email: [testmat994@gmail.com](mailto:testmat994@gmail.com)

Username: MatinShaikh111

Password : TestMatin@1190

Access Token for GIT: ghp\_i0KvCPAW3KvdmWiMKuRdUO7fp3Eaei1lqpV9

* Create repository of your project
* It will generate repository URL:
* Remote reporsitory URL: <https://github.com/MatinShaikh111/Pavan_PageObjectModel_Framework.git>

**GIT Commands:**

First go to Eclipse-Automation project-Properties-Copy path

Open Terminal-cd paste path-Enter (You will be at your project path in terminal)

**First Round for Commiting files:**

1. Enter Command: git init—> Create local GIT reporsitory Git Repository Location : Initialized empty Git repository in /Users/mashaikh/eclipse-workspace/Pavan\_PageObjectModel\_Framework/.git/
2. Link Global repository to Local Repository Enter Command: **git remote add origin “https://github.com/MatinShaikh111/Pavan\_PageObjectModel\_Framework.git”**
3. To Check the status of the project file which are ready to commit in git repository Command: git status Output: Should be “No Commit Yet” for the first time
4. Send project files from eclipse to Staging area, It means It will be tracked files Command: git add -A (-A means all untracked project files to commit)
5. Now chekc the status : git status
6. Now use username and email for GIT **git config - - global user.name “MatinShaikh111” git config - -global user.email “**[**testmat994@gmail.com**](mailto:testmat994@gmail.com)**”**
7. Send Project files from Staging area to GIT (Local Repository) **git commit -m “Thisn is my forst commit”** (m means message u want to provide)
8. Send files from GIT local repository to Global Repository  Command: **git push -u origin master**

Note if u face an error like fatal: I don't handle protocol '“https'

First remove existing repository Command: **git remote remove origin**

Set again URL: Command **git remote add origin “https://github.com/MatinShaikh111/Pavan\_PageObjectModel\_Framework.git”**

Make sure Copy URL form GIT website like <https://github.com/MatinShaikh111/Pavan_PageObjectModel_Framework>

paste by suing right click (Dont use CTRL+V)

Now check status: COmmand: git status

Output: On branch master

nothing to commit, working tree clean

Command to push code in Global Repository: **git push -u origin master**

Ask for username**: MatinShaikh111**

Ask for password: **ghp\_i0KvCPAW3KvdmWiMKuRdUO7fp3Eaei1lqpV9. (Here use token instead of password)**

**To generate token follow instructions:**

Create Personal Access Token on GitHub

From your GitHub account, go to **Settings** => **Developer Settings** => **Personal Access Token** => **Generate New Token** (Give your password) => **Fillup the form** => click **Generate token** => **Copy the generated Token**, it will be something like ghp\_sFhFsSHhTzMDreGRLjmks4Tzuzgthdvfsrta

* Once the files are committed to the global repository, if any QA push their code to global repository (Test.txt)and if we want that file, we use Pull command

Command: **git pull origin master (It will pull the newly pushed file from the global repository to eclipse workspace)**

Now If I change something in the **Test.txt** file and want to push again to the global repository

**Second Round:**

1. Get status of the updated file which want to push again

Command: **git status**

1. Add updated file to the staging area Command: **git add -A (Here if want to enter a specific file name then git add Test.txt)**
2. Get status to see green colour
3. Commit the file to the GIT Local repository  Command: **git commit -m “”This is my second commit”**
4. Push the file to the Global repository **git push -u origin master**

**—————————————Running Automation Project from Jenkins using GIT HUB————————————————————————**

1. Create a Mavne project in jenkins
2. If Maven project option is not available then Goto Manage Jenkins -Manage Plugins-Available-“*Unleash Maven Plugin”-Download after restart-Login again-You will see Maven project*
3. *In General Tab-Source code management-Select Git*
4. *Enter Repository URL:* <https://github.com/MatinShaikh111/Pavan_PageObjectModel_Framework.git>
5. Build section-pom.xml
6. In Goals and Option: clean install
7. Apply Save
8. Build Now