GitHub Project (Tip: Better to create GitHub repository 1st, or name it after local repo and push)

Create a GitHub repository named testing123

GitHub > Your Profile > Your repositories > Create new repository : testing123

Add a README.md file

Create repository

Create a connection between remote and local repo w/ SSH key (One time for each device)

C:\Users\trung.DESKTOP-G7C81CH> ssh-keygen -t rsa -b 4096 -C “duprogramllc@gmail.com”

Default Folder: C:\Users\trung.DESKTOP-G7C81CH/.ssh/id\_rsa

Right click in Command Prompt > Mark then shift + ctrl + c

C:\Users\trung.DESKTOP-G7C81CH> cd .ssh cd .ssh

**Note: id\_rsa.pub is key to upload to GitHub**

C:\Users\trung.DESKTOP-G7C81CH\.ssh>type id\_rsa.pub

GitHub > Your Profile > Settings > SSH and GPG keys > New SSH key

Create a clone to local repository

**C:\Users\trung.DESKTOP-G7C81CH>cd Documents\GitHub**

$ git clone git@github.com:trungdullc/testing123.git

$ **start .**

Use VSC edit local repo README.md

Testing github repo

For future directions on how to use your app

Technologies used in app

Directions on how to contribute to OS

Use VSC add index.html to local repo

! + tab

Find status to check if files tracked or untracked, now track index.html

$ git status

$ git branch

$ git add .

$ git commit -m "added index.html updated README.md" -m "Du's 1st Project"

$ git log

Push local repo changes to remote repo (already created)

Note: If on team, don’t git push into main, push into test then ask pull request on GitHub

$ git push **-u** origin main

Change README.md on remote repo and put into local repo

$ git fetch

$ git status

$ git pull

=== Navigating Branches ===

Create new feature1 Branch on local repo

$ git branch feature1

Switch to feature1 Branch w/ checkout/switch

$ git checkout feature1

**Note: VSC if check bottom left corner says which branch currently in**

Create a demo.html in VSC

$ git add .

$ git commit -m “added demo.html to feature1 branch”

Push update to remote repo that doesn’t contain feature1 branch yet

$ git push -u origin feature1

=== Merge Pull Request (Team like feature1 branch) ===

Click # branches > feature1: New pull request

Comment: Please merge feature1 into main > Create pull request

Note: GitHub on right can assign Reviewers and add group members to Assignees

If no merge conflict > Merge pull request from GitHub or do long way on git:

Step 1: Clone the repository or update your local repository with the latest changes

$ git pull origin main

Step 2: Switch to the base branch of the pull request

$ git checkout main

Step 3: Merge the head branch into the base branch

$ git merge feature1

Step 4: Push the changes

$ git push -u origin main

====== Old Version =======

Step 1: From your project repo, bring in the changes and test

$ git fetch origin

$ git checkout -b feature1 origin/feature1

$ git merge master

Step 2: Merge the changes and update on GitHub

$ git checkout main

$ git merge –no-ff test

$ git push origin main

Remove branch feature1 from local repo (step is useless since change was on GitHub)

$ git checkout main

$ git branch feature1 -D

Remember merge happened in GitHub not local repo, need delete and pull request

GitHub > main branch

GitHub > # branches > Delete branch

$ git fetch

$ git status

$ git pull

=== DL another person’s GitHub repo ===

$ git clone git@github.com:trungdullc/testing123.git