

Topics

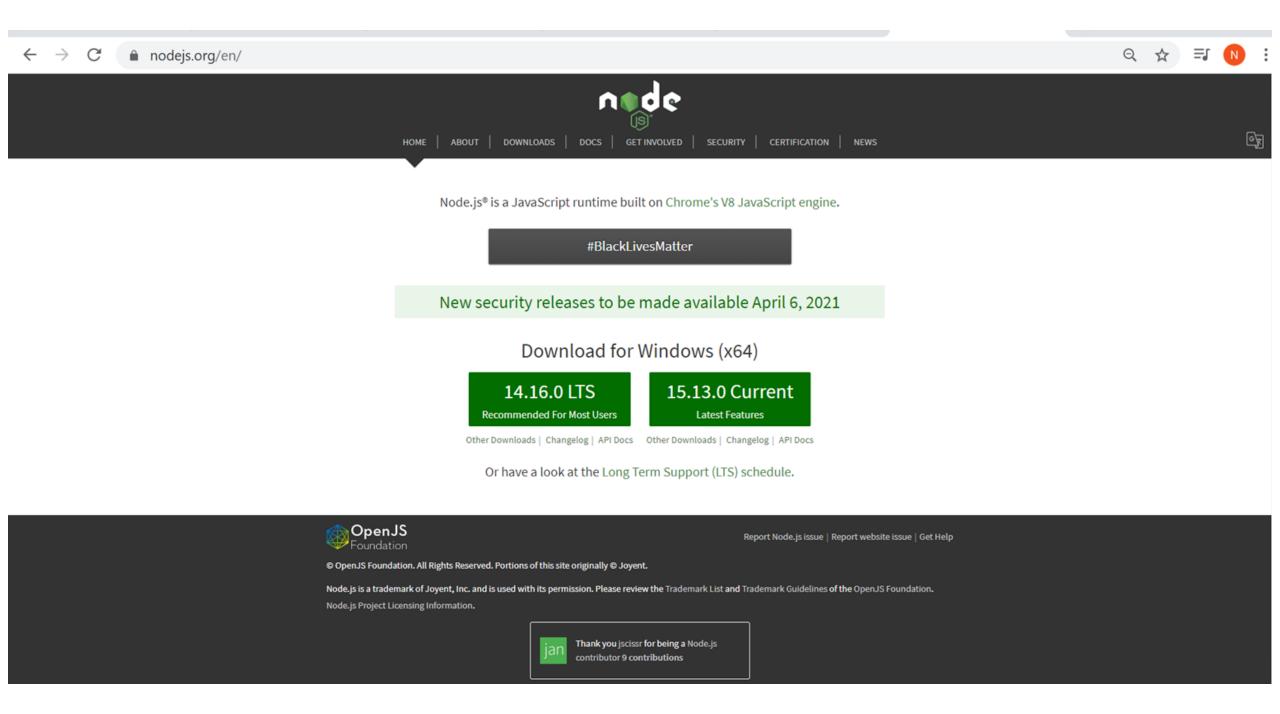
Node.js [nodejs.org]

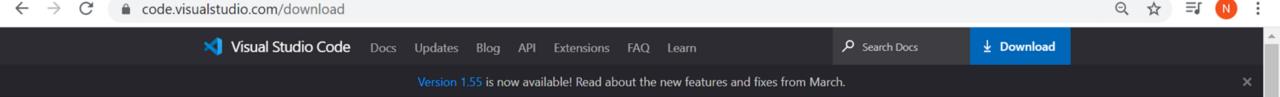
VS Code [code.visualstudio.com/download]

git [git-scm.com/downloads]

postman [postman.com/downloads]

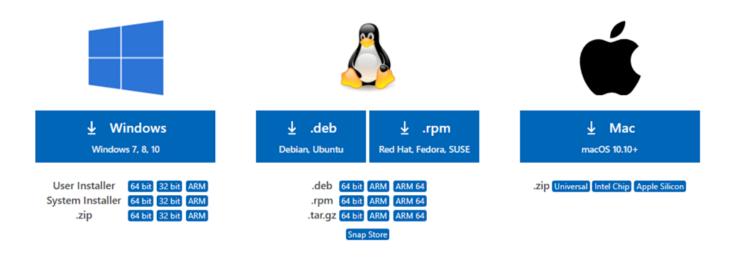
NodeJS Setup

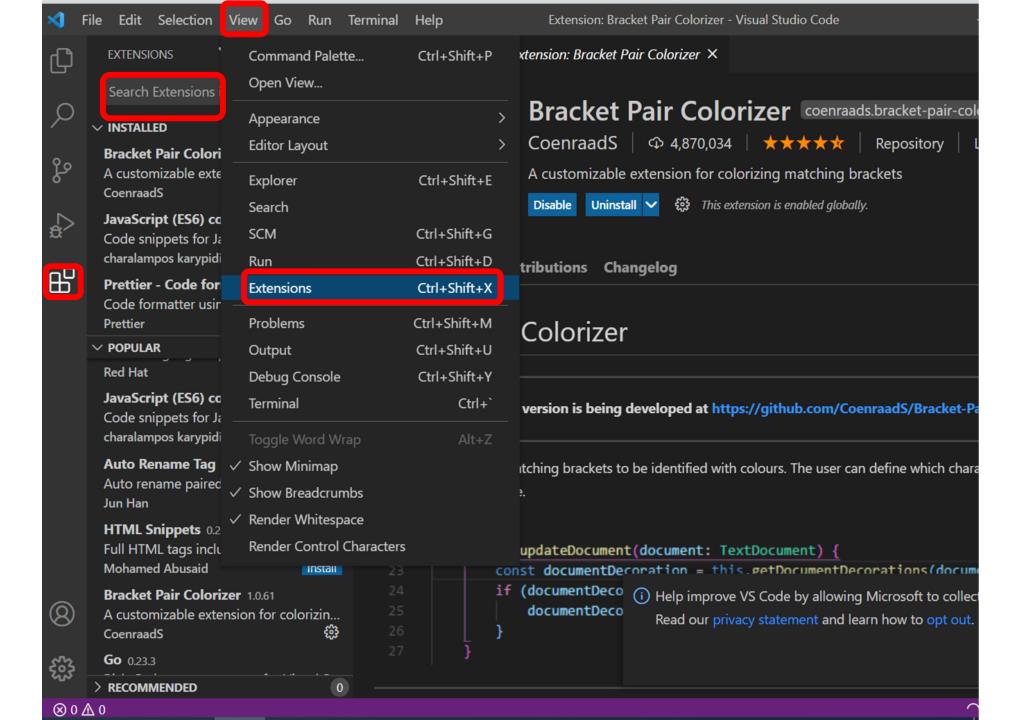




Download Visual Studio Code

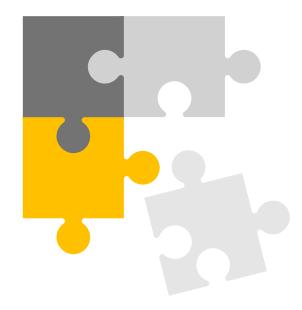
Free and built on open source. Integrated Git, debugging and extensions.

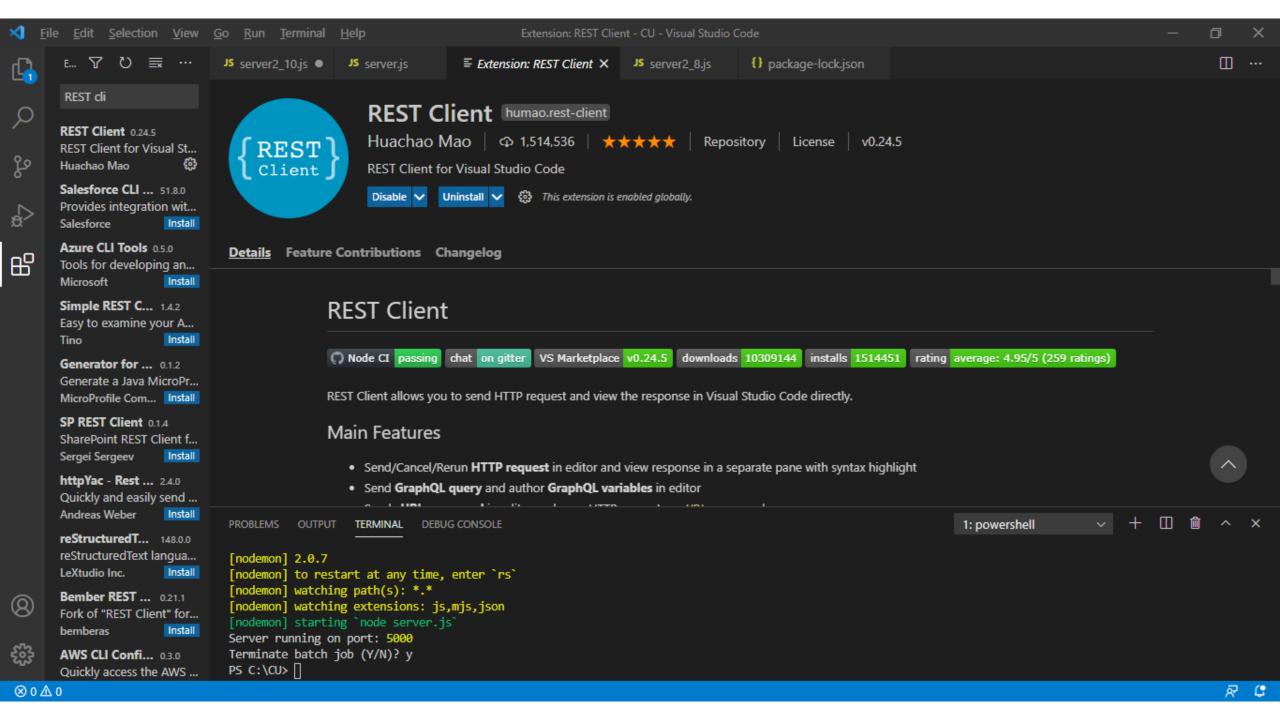




Install Extensions

- Bracket Pair Colorizer
- 2. DotENV
- 3. ExpressSnippet
- 4. JavaScript (ES6) code snippets
- 5. Prettier Code formatter
- 6. REST Client







Ref: https://www.youtube.com/playlist?list=PLGPGLQRuosDKw42JcQvOU5qArkUb8kCDc











Q Search entire site...

About

Documentation

Downloads

GUI Clients Logos

Community

The entire Pro Git book written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on Amazon.com.

Downloads



Older releases are available and the Git source repository is on GitHub.



GUI Clients

Git comes with built-in GUI tools (git-gui, gitk), but there are several third-party tools for users looking for a platform-specific experience.

View GUI Clients →

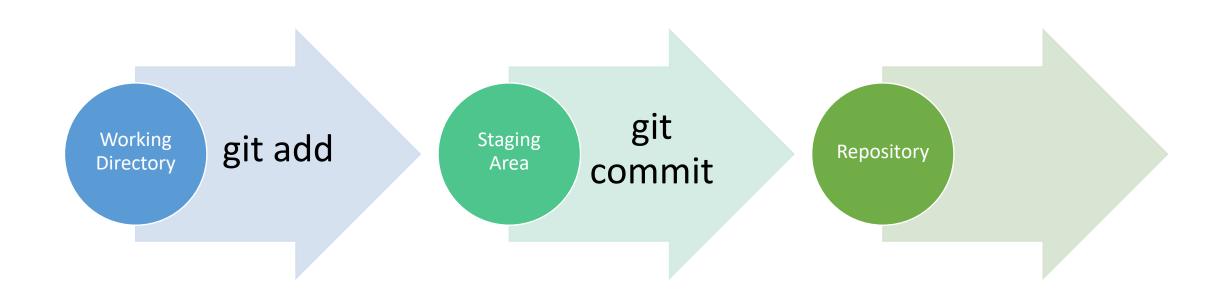
Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.

View Logos →

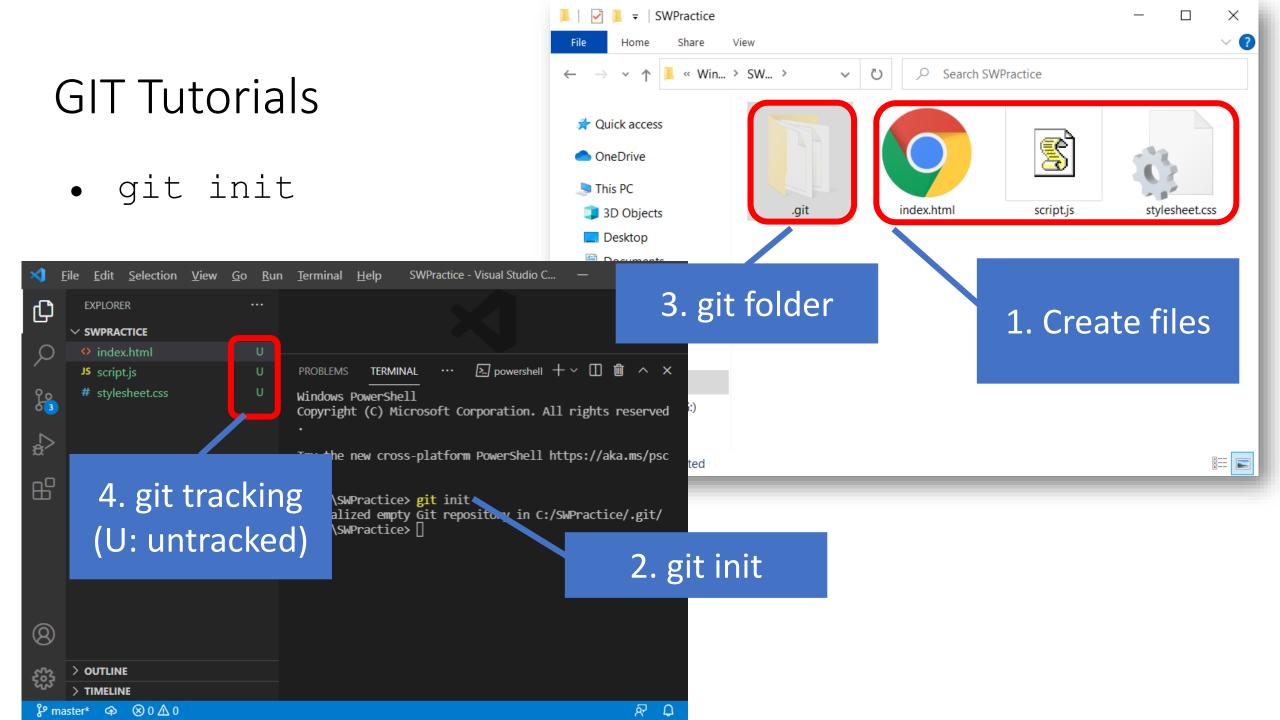


Repository



- git init
- git add
- git rm --cached index.html
- git commit -m 'Your comment here'

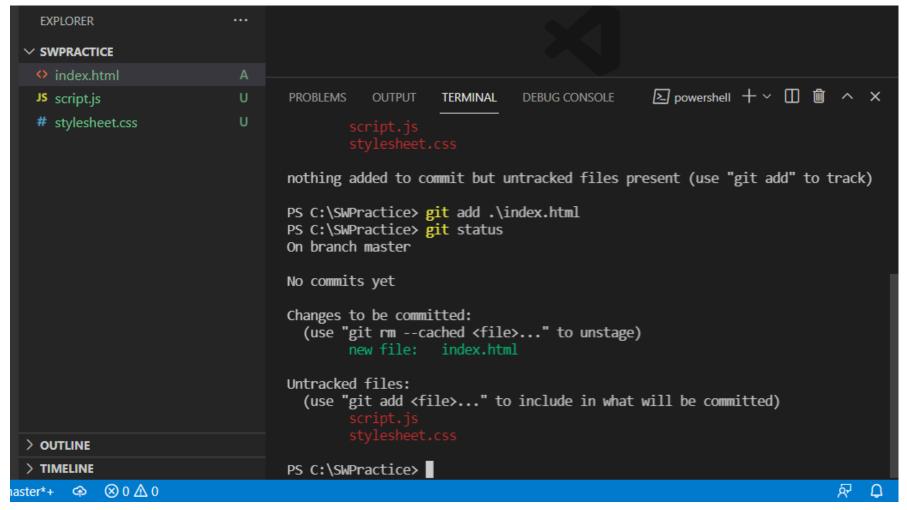




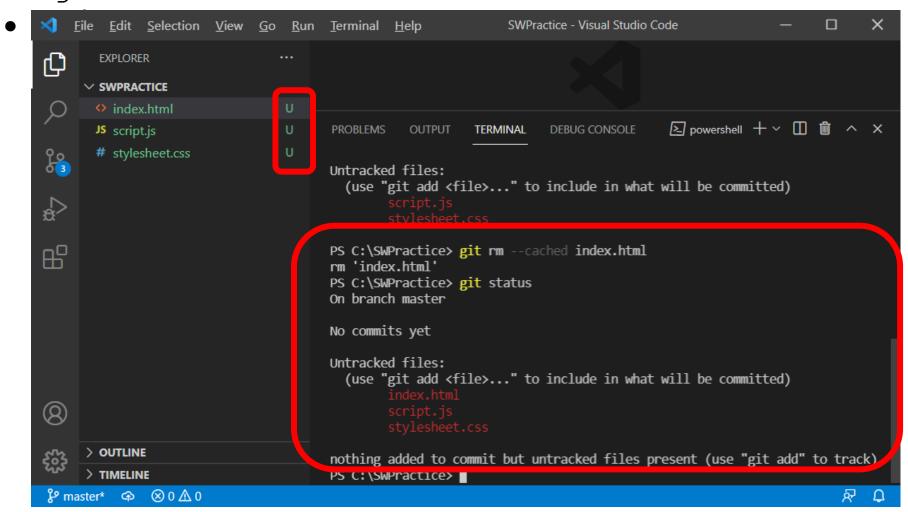
• git status

```
PS C:\SWPractice> git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
       index.html
nothing added to commit but untracked files present (use "git add" to track)
```

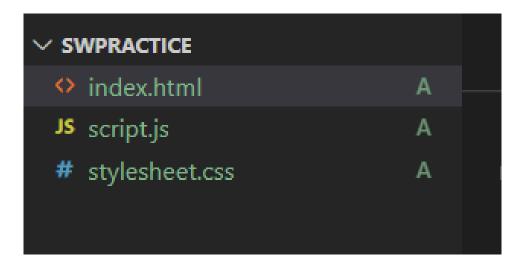
git add ./index.html



git rm --cached index.html



• git add .



```
PS C:\SWPractice> git add .

PS C:\SWPractice> git status
On branch master

No commits yet

Changes to be committed:
   (use "git rm --cached <file>..." to unstage)
        new file: index.html
        new file: script.js
        new file: stylesheet.css

PS C:\SWPractice>

PS C:\SWPractice>
```

• git commit

```
PS C:\SWPractice> git commit -m 'Initial Commit'
[master (root-commit) 830b1b8] Initial Commit
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
create mode 100644 script.js
create mode 100644 stylesheet.css
PS C:\SWPractice>
```

git loggit log --oneline

```
PS C:\SWPractice> git log
commit 830b1b86bc0a04e99270f7e59d72bf603aab3cca (HEAD -> master)
Author: Ohm Tuaycharoen <nuengwong.t@cp.eng.chula.ac.th>
Date: Sat Sep 18 21:41:01 2021 +0700

Initial Commit
PS C:\SWPractice>
```

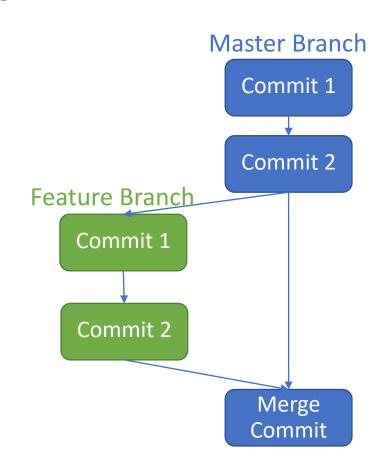
git loggit log --oneline

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Author: Ohm Tuaycharoen <nuengwong.t@cp.eng.chula.ac.th>
Date: Sat Sep 18 21:41:01 2021 +0700

Initial Commit
PS C:\SWPractice>
```

- git checkout [id]Have a look at a version
- git checkout master
 - o Go back to master branch
- git revert [id]
 - Go back to [id] version and add another step to the log.
- git reset [id]
 - Undo reset
 - git add .
 - git commit -m "your comment"
- git reset [id] -hard
 - Cannot undo this reset

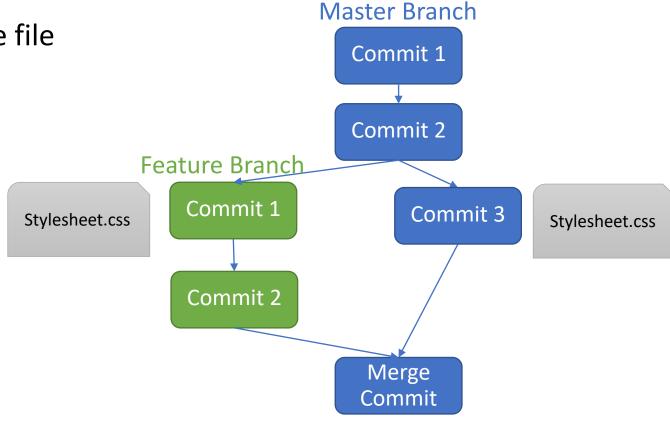
- Master branch: stable version
- Another branch: try out version, may merge to master branch later
- git branch
 - Show all branches you have
- git branch [branchName]
 - Create a branch
- git checkout [branchName]
 - Move to the [branchName] branch
 - Then you can do the followings:
 - git status
 - git add.
 - git commit –m 'Your comment'
 - git log –oneline
- git branch –D [branchName]
 - Delete the [branchName] branch



```
PS C:\SWPractice> git branch
* master
PS C:\SWPractice> git branch feature1
PS C:\SWPractice> git branch
  feature1
* master
PS C:\SWPractice> git status
On branch master
nothing to commit, working tree clean
PS C:\SWPractice> git checkout feature1
Switched to branch 'feature1'
PS C:\SWPractice> git status
On branch feature1
nothing to commit, working tree clean
PS C:\SWPractice> git log --oneline
830b1b8 (HEAD -> feature1, master) Initial Commit
PS C:\SWPractice>
```

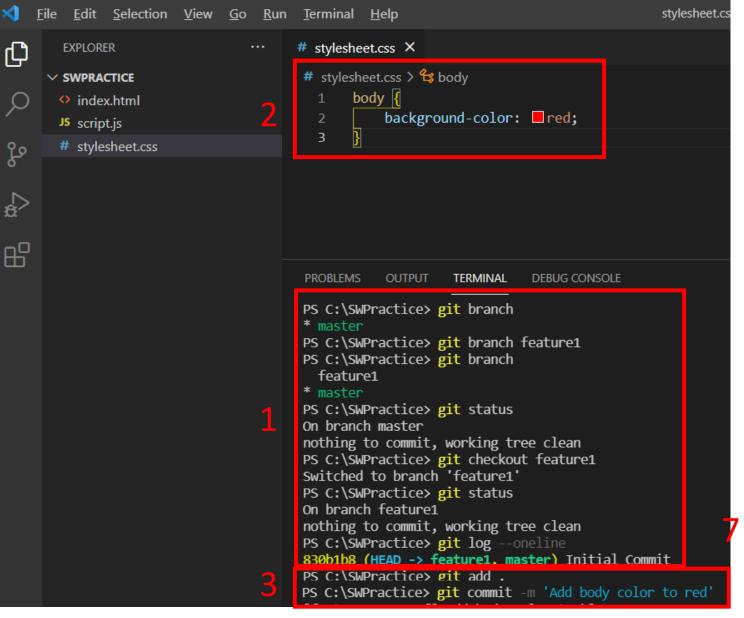
Git Merge

- git merge [branchName]
 - Merge the [branchName] branch to your current branch
- Conflicts
 - 2 branches working on the same file



Feature Branch

Master Branch



```
Terminal Help

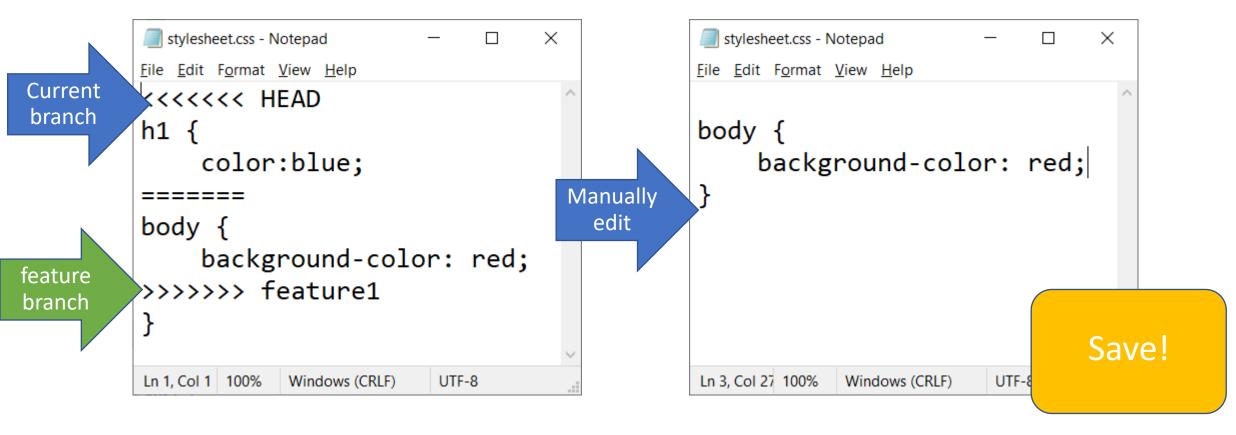
    stylesheet.

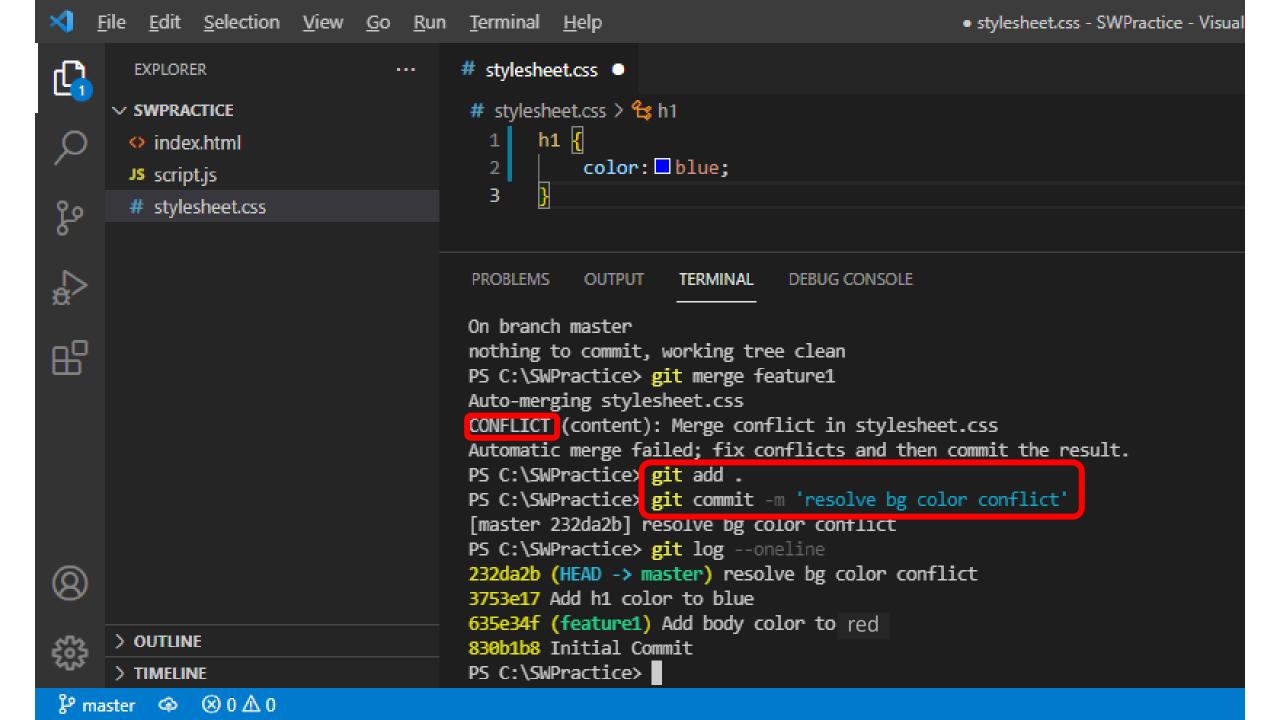
      # stylesheet.css •
        # stylesheet.css > ધ h1
             h1 {
                  color: □ blue;
       PROBLEMS
                  OUTPUT
                            TERMINAL
                                       DEBUG CONSOLE
      nothing to commit, working tree clean
      PS C:\SWPractice> git checkout master
      Switched to branch 'master'
      PS C:\SWPractice> git add .
      PS C:\SWPractice> git commit -m 'Add h1 color to blue'
      On branch master
6
       nothing to commit, working tree clean
       PS C:\SWPractice>
```

```
PS C:\SWPractice> git status
On branch master
nothing to commit, working tree clean
PS C:\SWPractice> git merge feature1
Auto-merging stylesheet.css

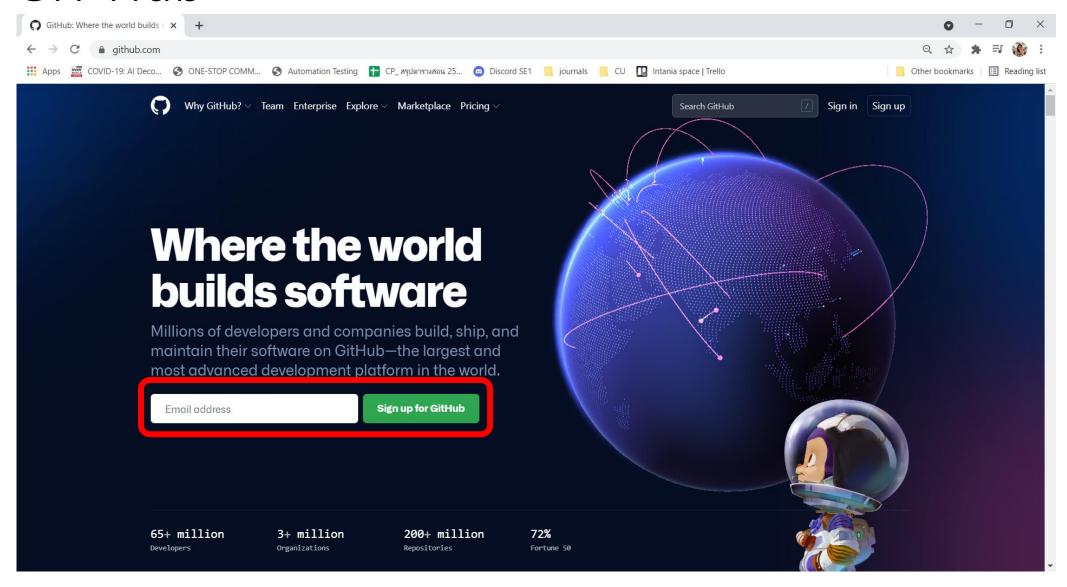
CONFLICT (content): Merge conflict in stylesheet.css
Automatic merge failed; fix conflicts and then commit the result.
PS C:\SWPractice>
```

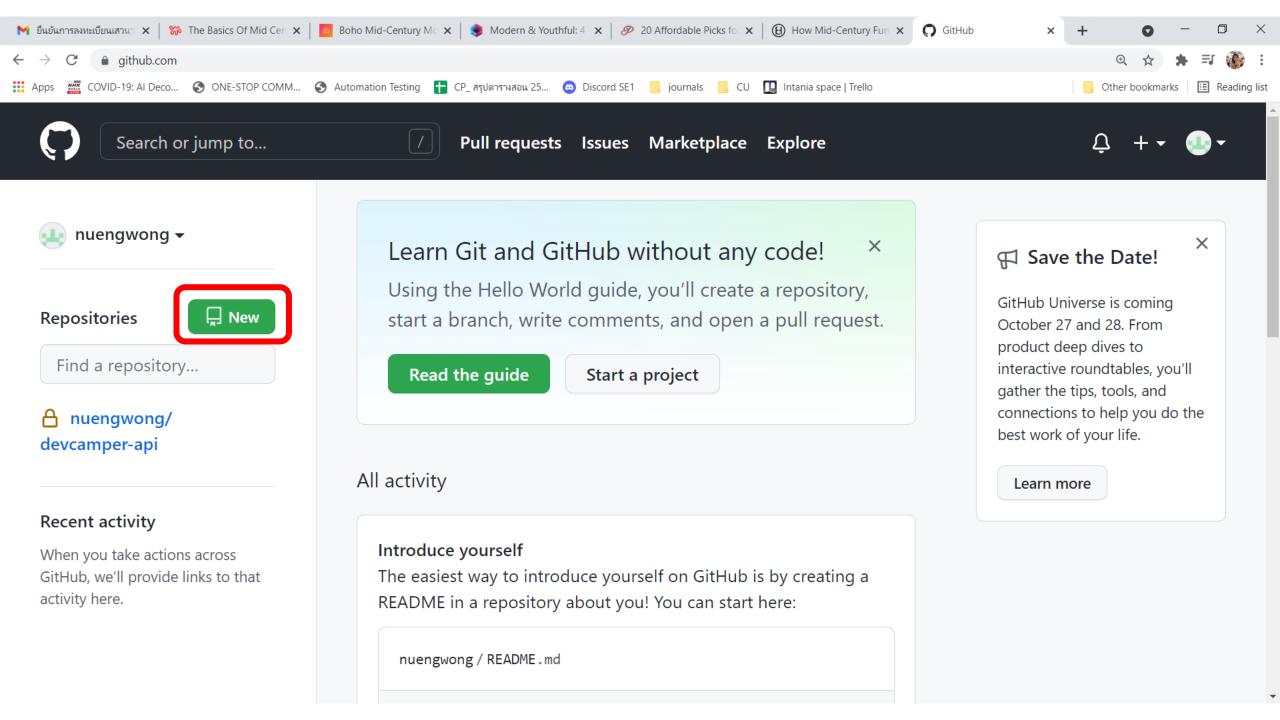
How to resolve Conflicts

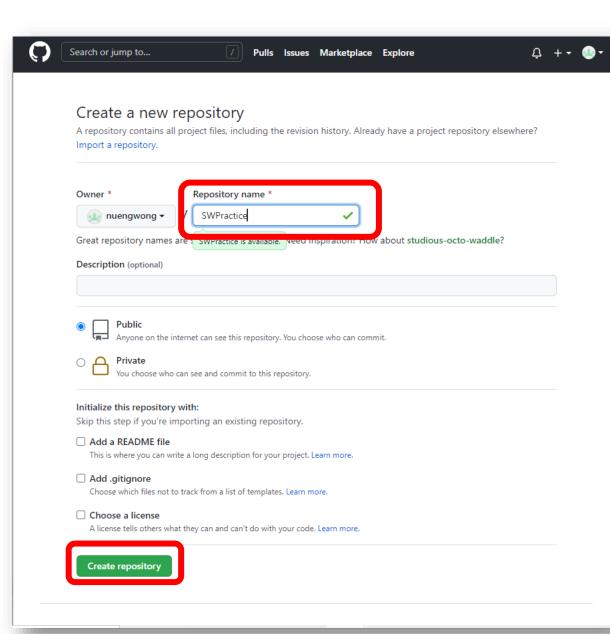


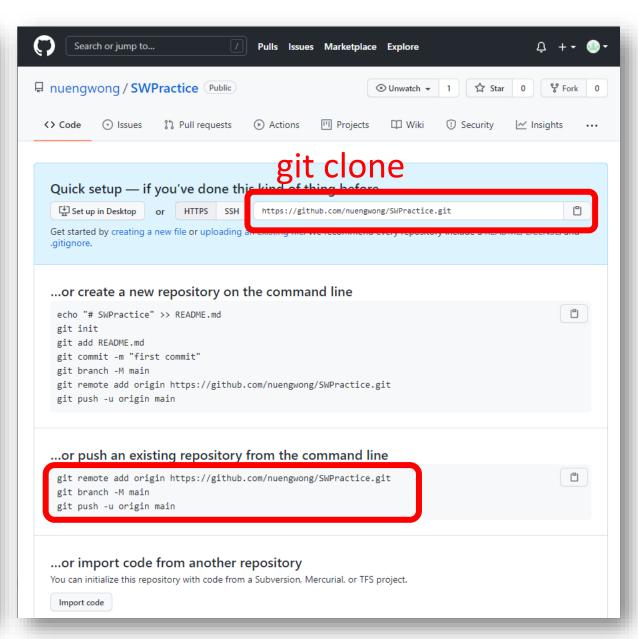


GIT Hub









...or push an existing repository from the command line

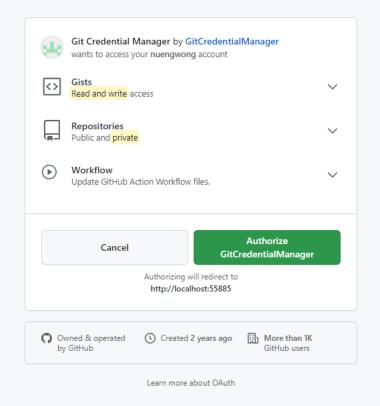
```
//create a variable, origin, to point to the GitHub URL.
git remote add origin https://github.com/nuengwong/SWPractice.git
git branch -M main // switch to your main branch
git push -u origin main // push your local repo to origin GitHub URL
```

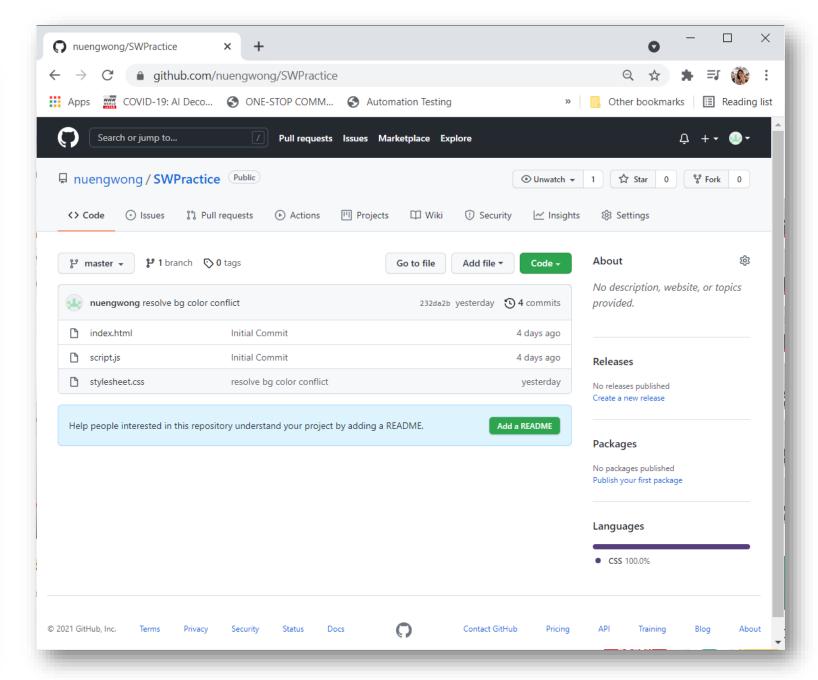
//to copy your code from GitHub repository to your local computer:

git clone https://github.com/nuengwong/SWPractice.git



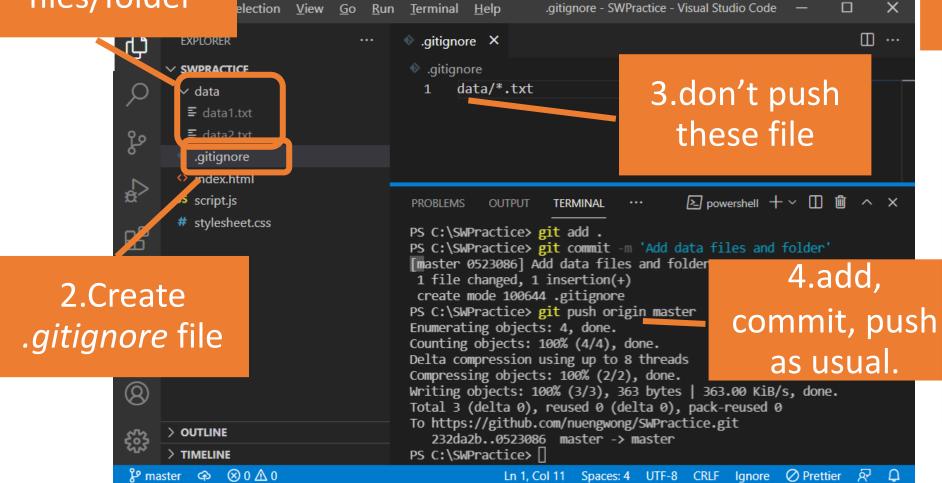
Authorize Git Credential Manager



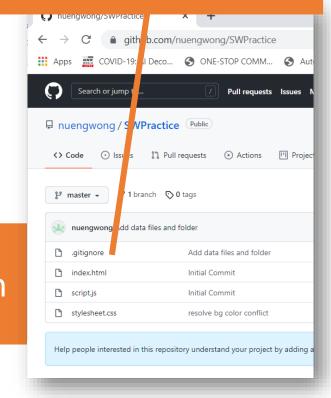


.gitignore file

1.Create new files/folder



5. The file *.gitignore* is in GitHub, but not the data files



.gitignore file: remove your old files in GitHub

//to clear cached file before push to GitHub \$ git rm -rf --cached .

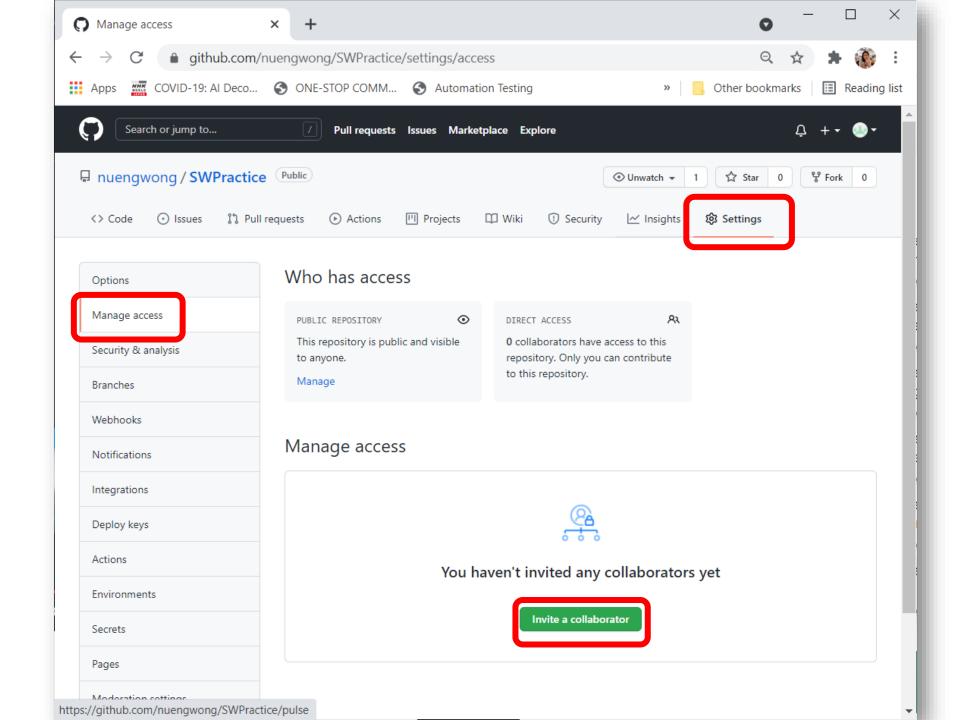
\$ git add.

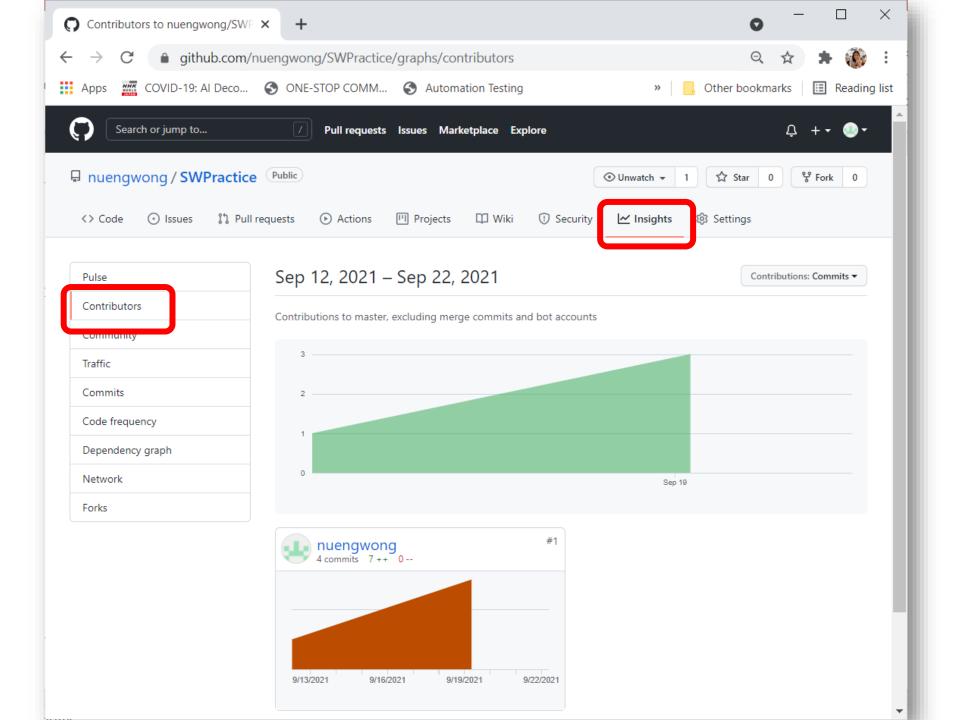
\$ git commit -m "Your Comment"

\$ git push origin [BranchName]

.gitignore file: wildcard

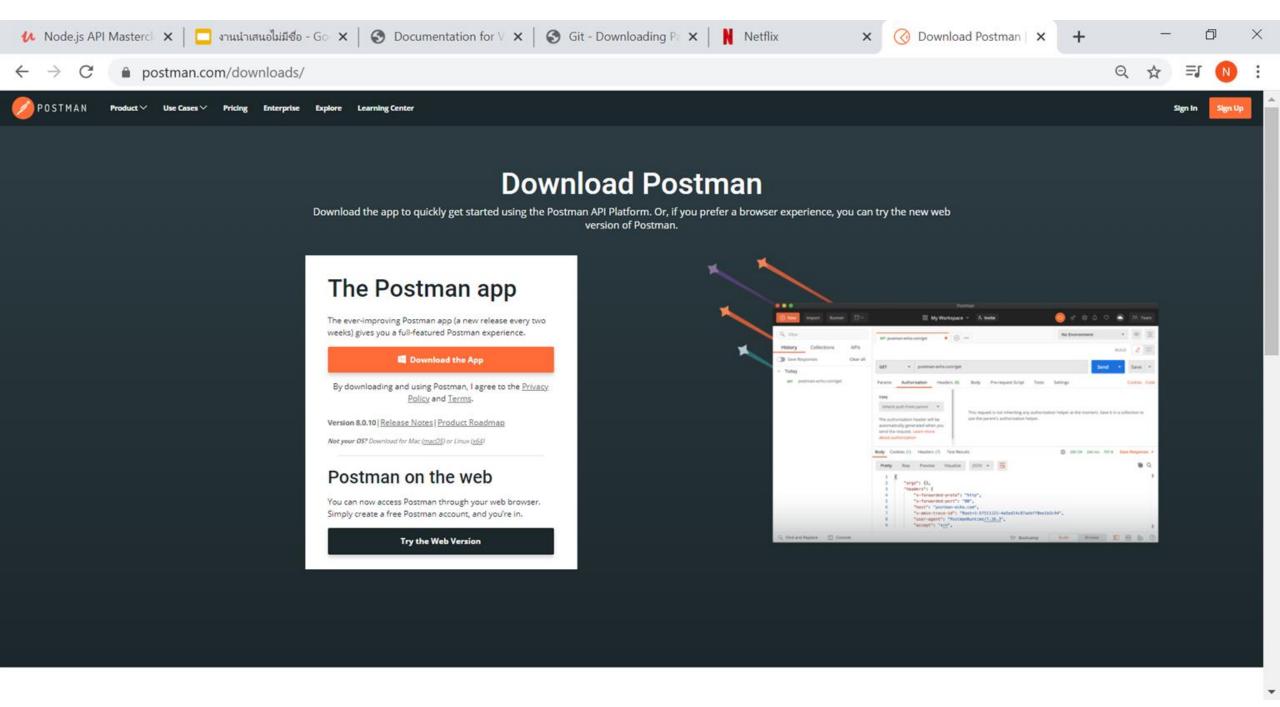
- # marks line as a comment
- * matches 0 or more characters
- ? matches 1 character
- [abc] matches a, b, _or_ c
- ** matches nested directories
 - i.e. a/**/z matches --- a/z --- a/b/z --- a/b/c/z

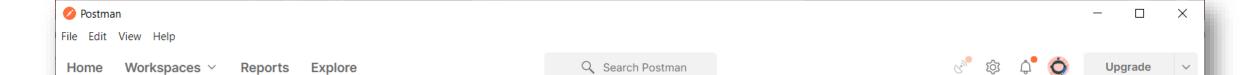


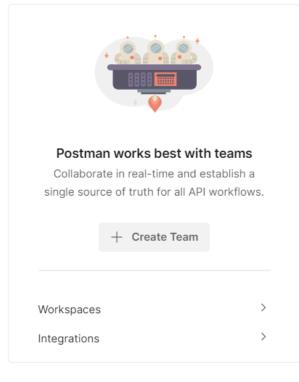


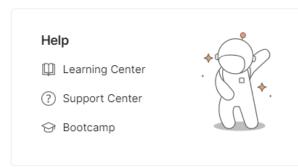


Postman





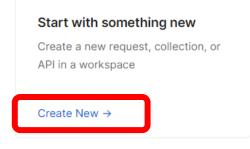


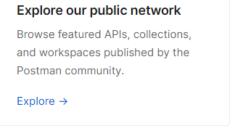


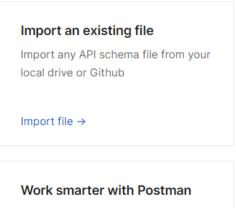
Good afternoon, Nuengwong!

Pick up where you left off.

Get started with Postman





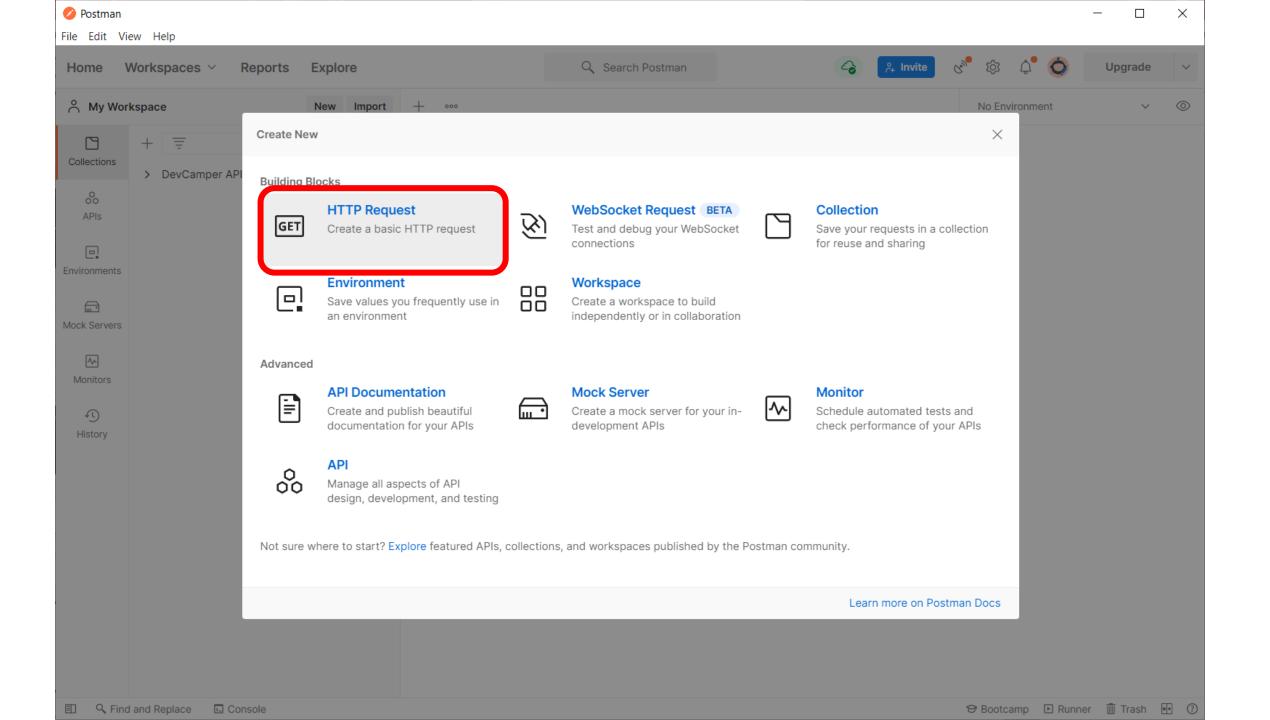


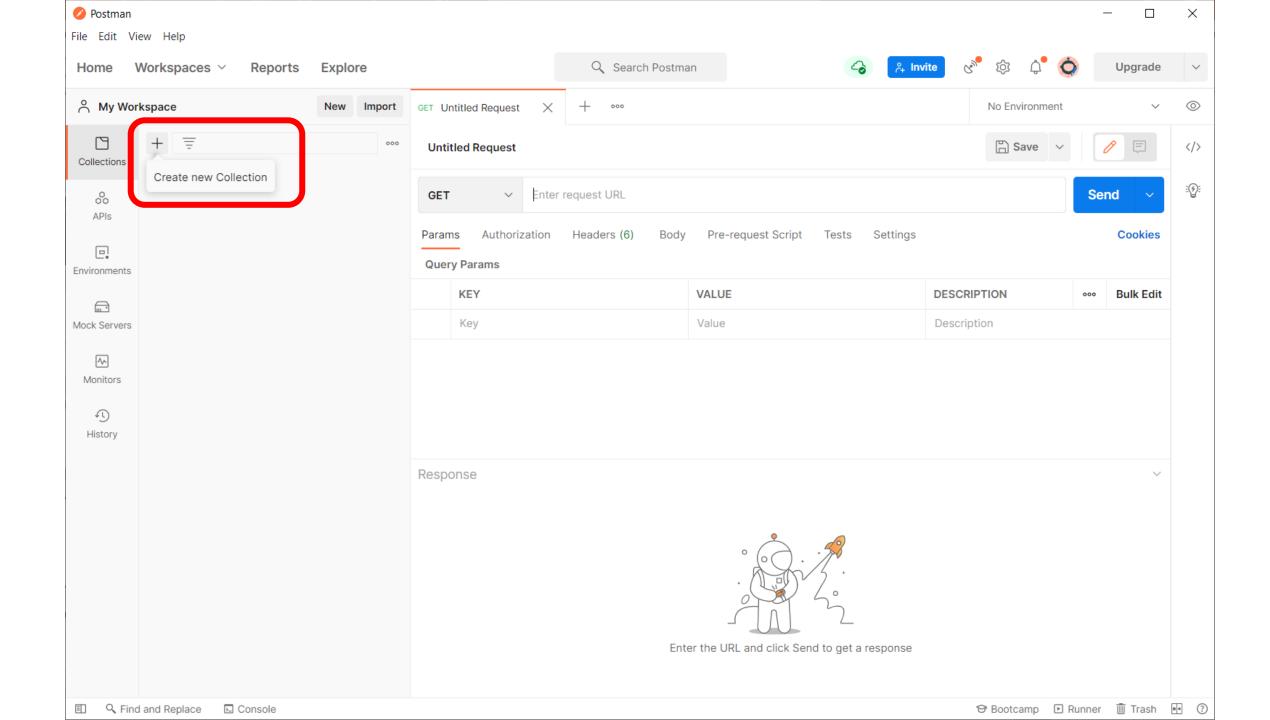
Learn how Postman can help you at every stage of the API development. Learn →

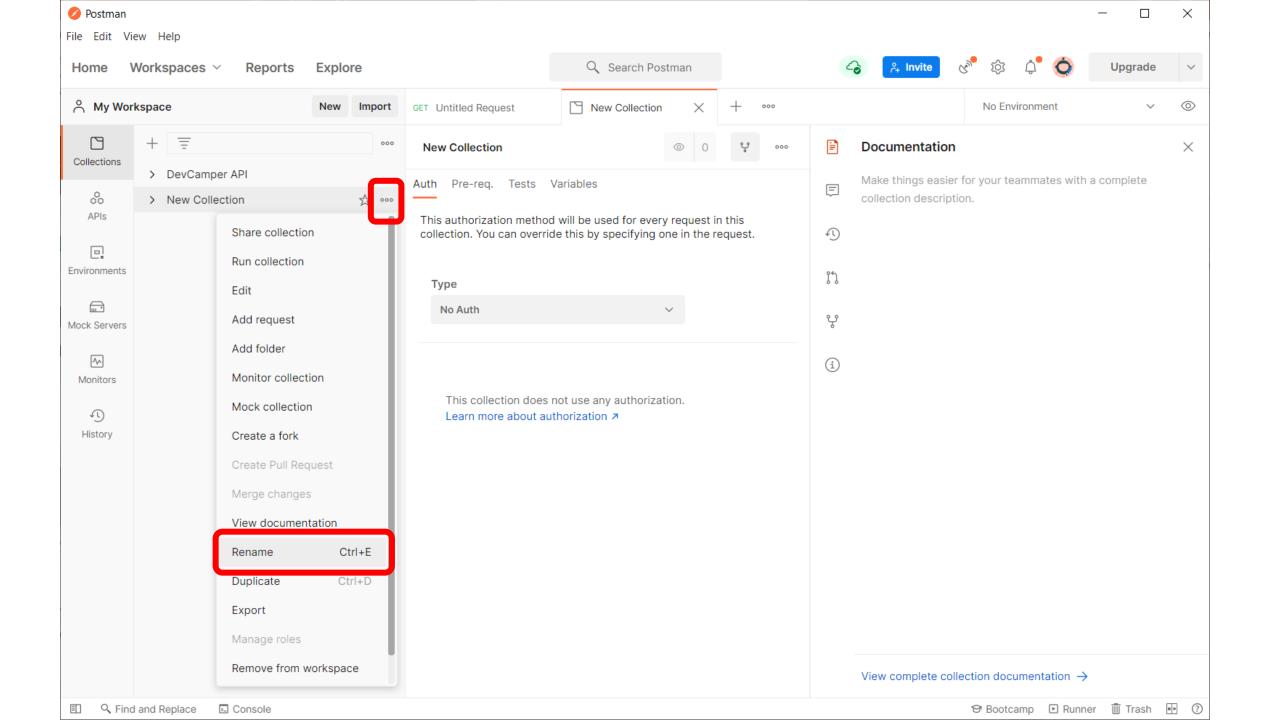
Recent workspaces

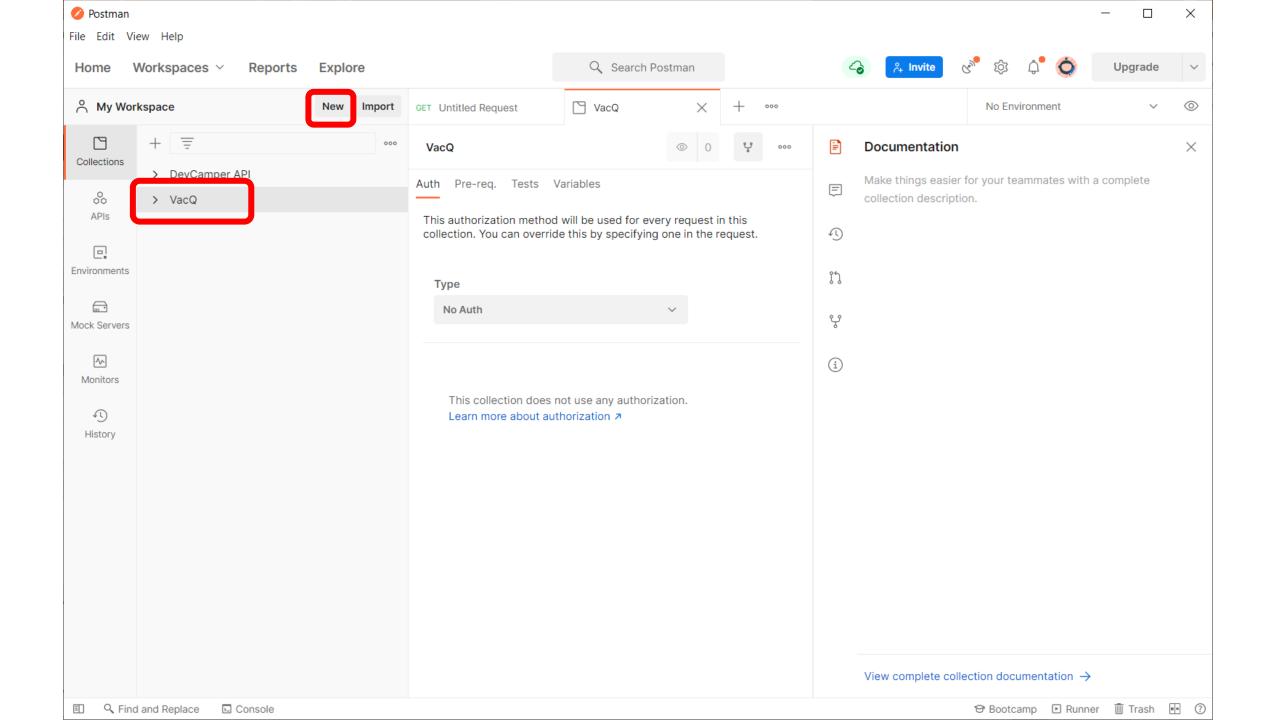
NAME MEMBERS LAST VIEWED My Workspace

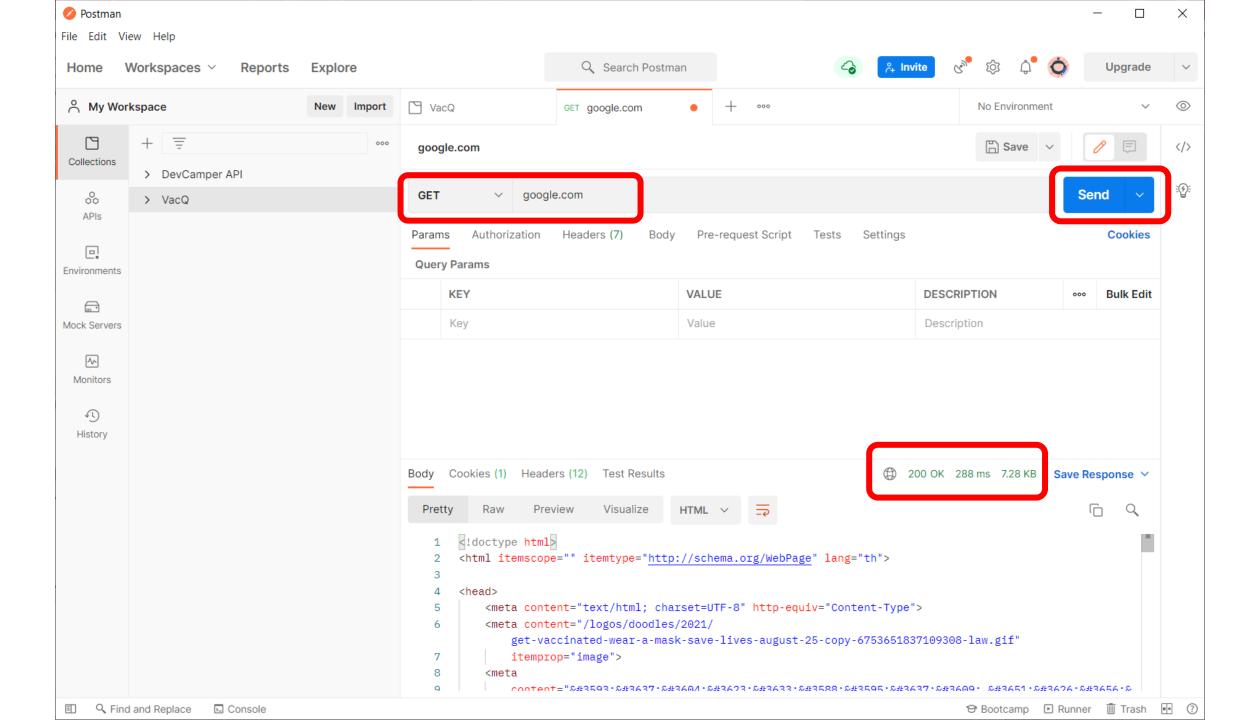
4 months ago

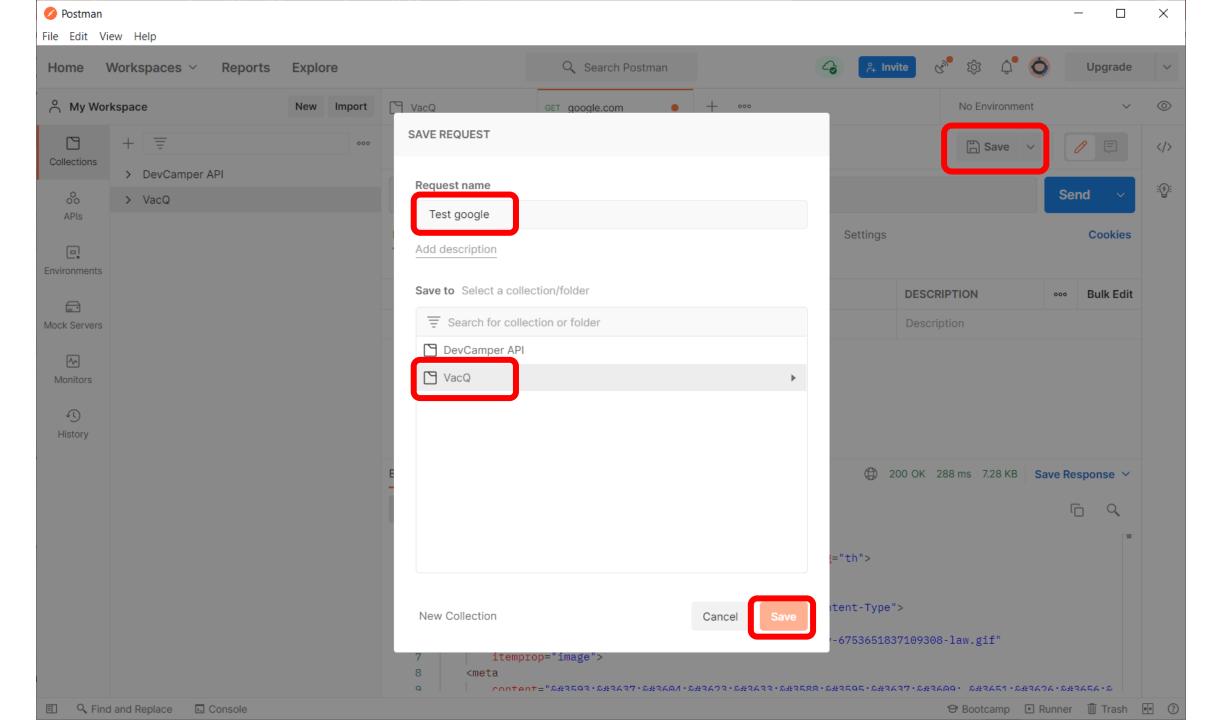


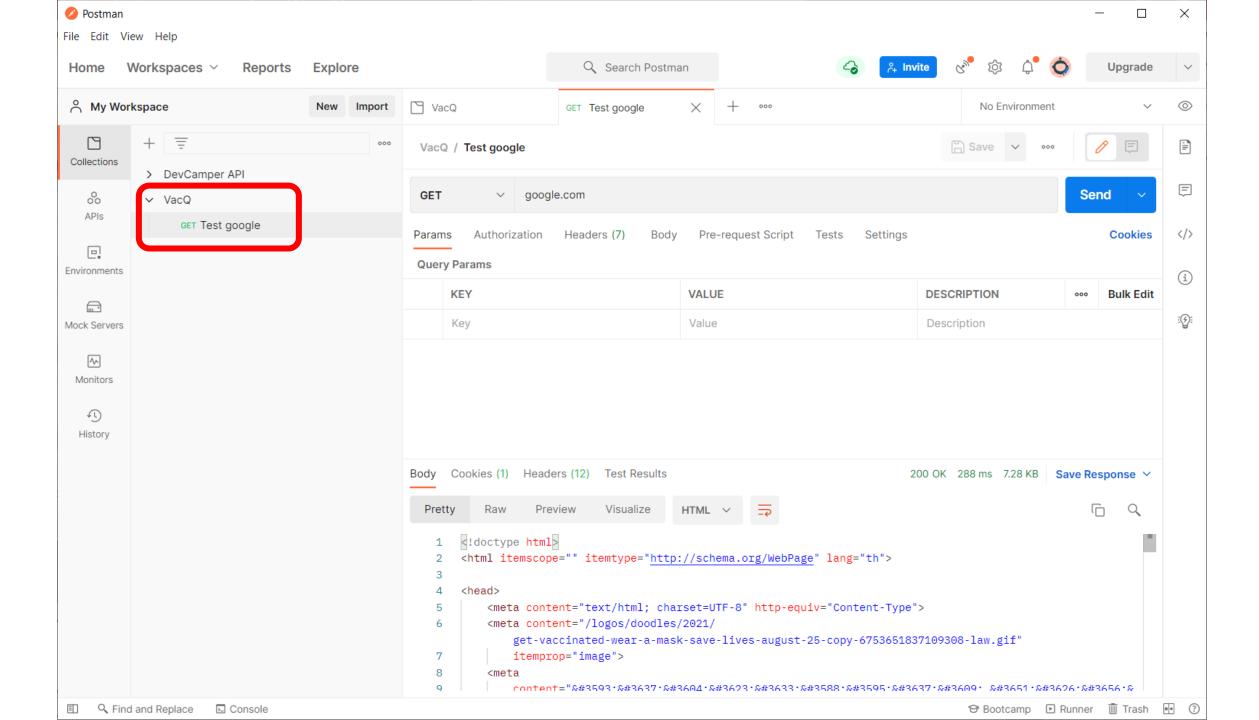












NodeJS Setup

Conclusions

GIT Setup

Postman