Prepare: Course Setup (QUESTION)

This part says that I must have been added to a team with a name similar to this “WDD330.01 F20”. However, when I sign in to Microsoft Teams with my account, I see that I haven't been signed in yet. What can I do?

Version Control

* Version control is a method of recording changes made to a file or a set of files
* Recording changes allows you to come back to specific versions as you carry on coding

Git is a version control tool

Github is code sharing and publishing website that hosts gits repositories

Main Sections of a Git Project:

1. Working directory
2. Staging area (git add)
3. Repository (git commit)

Git commands:

* Git add
* Git commit
* Git push

Initialize a repository in Git:

<https://www.sitepoint.com/premium/courses/git-it-together-master-version-control-with-git-and-github-2902/lesson/4/step/1/>

* Cd (folder I want to work on)
* Git init
* Git remote add origin [paste the url of my repo]
* Git remote -v (this shows me the url I am fetching from and pushing to)
* Git add . (the “.” Selects all the files)
* Git commit -m “Initial commit, pushing theme over to github”
* Git status (it shows: “nothing to comit”)
* Git push origin master
* [Then put the username and password]

If I make changes:

<https://www.sitepoint.com/premium/courses/git-it-together-master-version-control-with-git-and-github-2902/lesson/4/step/2/>

* Git status (this should show me in red the name of the file that has been modified)
* Git add [the file that has been modified]
* Git commit -m “I change the file with…”
* Git push origin master
* Git log –pretty=oneline (it shows the details of the commits)

To reset the staging area (WHEN I MAKE A MISTAKE AND WANT TO UN-ADD):

<https://www.sitepoint.com/premium/courses/git-it-together-master-version-control-with-git-and-github-2902/lesson/5/step/1/>

* Git reset HEAD [name of the file I want to reset]

To reset the commited area (WHEN I MAKE A MISTAKE AND WANT TO UN-COMMIT):

<https://www.sitepoint.com/premium/courses/git-it-together-master-version-control-with-git-and-github-2902/lesson/5/step/2/>

* Git reset –soft HEAD~1

To reset the pushed changes (WHEN I PUSH A CHANGE AND WANT TO UN-PUSH):

<https://www.sitepoint.com/premium/courses/git-it-together-master-version-control-with-git-and-github-2902/lesson/5/step/3/>

* Git revert HEAD (this reverts the last push I did)
* Git push origin master

To see the changes made:

* Git diff [name of the file]

To bring the change made by others:

* Git fetch
* Git merge origin/master

To bring the change made by others:

* Git pull origin master

Branches:

To see all branches

* Git branch -a

To create new branch

* Git branch [name of the branch]

To change branch we are on

* Git checkout [name of the branch]

To change the name of a branch

* Git branch -m [name of branch] [name of new branch]

To delete a branch

* Git branch -d [name of the branch to delete]

Merge branches

* Change directory to the branch I want to change
* Git merge [branch in which I want the changes] [branch to clone]
* Git push origin [name of the branch I made the changes over]