

All command together:

git checkout main

git pull upstream main

git checkout -b branchName

git status

git add .

git commit -m “meaningful title for this commit”

git push origin branchName

----- Create PULL REQUEST (if you finish this feature)

make a pull request form your GitHub account repo **branchName** to the organization repo main branch

Explain the commands:

A) Get the project locally (do this step one time on your pc):

1. Fork the organization repo to your GitHub account [Click on **Fork** and select your **GitHub account**]
2. Clone your GitHub repo to your pc (not the organization repo)

git clone the link from your GitHub repo (copy it from clone button)

3. Add remote access to your local repo main branch: this makes your main branch in your local repo connect with the organization repo (do this command after being inside your local repo directory)

git remote add upstream the link from the organization repo (copy it from clone button)

B) Start working on a new feature (repeat these steps each time you work on a new feature):

1. Move to the main branch (in your local repo)

git checkout main

2. Get the last update from the organization repo to your local repo

git pull upstream main

3. Create new branch (for the new feature you need to work on)

git checkout -b branch name

4. Work on the feature, and push your code to your GitHub repo (to the branch that you made)

git status

git add .

git commit -m “meaningful title for this commit”

git push origin branch name

5. Create a pull request (after you finish working on this feature)

- a. Click on **Pull request** button
- b. Pick the name of your branch: **branchName**
- c. Type any comment for this pull request
- d. Click on **Create pull request** button

6. Now repeat all the steps in section: B => steps:1. – 5.

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C) Merge the code together (only done be the scum master)

- 1. Go to the organization repo**
- 2. Click on **Pull requests** tab**
- 3. Click on the pull request you want to accept it**

If there is a conflict:

- a. Click on **Resolve conflicts** button
 - b. Resolve the conflict files and code
 - c. Click on **Mark as resolved** button
 - d. Click on **Commit merge** button
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- 4. Scroll down a little bit**
 - 5. Click on **Merge pull request** button**
 - 6. Click on **Confirm merge** button**