Workflow for development:

1. Pick up your task

-- feature

-- bugfix

2. Make sure you have the latest main/master branch:

git pull origin master

3. Create a branch dedicated to the task you have adopted

a. create a branch -- git branch branchName

b. checkout that branch -- git checkout branchName

or

a. create and checkout a branch -- git checkout -b branchName (recommend)

4. Task rules & branch rules

Task Rules:

1. Keep the tasks small and focused on a single feature / fix

Branch rules:

1. branches separate your work TEMPORARILY, i.e. they are not private sandboxes

2. you will soon merge your branch to master, and delete your branch (soon ~ 2-3 days)

3. Naming convention

a. start with initials, e.g. pm\_something or piyush\_something

b. follow with feature/fix, and then feature/fix name

e.g. pm\_feature\_add\_styling\_to\_home

e.g. pm\_fix\_remove\_borders\_from\_buttons

e.g. pm\_feature\_454 (where 454 is a task number)

5. Make changes within your branch, for that task only

6. (mandatory) Smoke Test (manual) the branch code .. does it work? is the task complete?

(optional) git merge master (taking latest changes from master and merging to your feature branch)

(mandatory) Test again

7. If smoke test passes, then

a. git checkout master

b. git merge branchName

c. git push origin master

8. (mandatory) Now smoke test the whole app (manually) to ensure that the merge didn't break anything

a. my code

b. others or previous code

did not break

9. If it did break, do one of the following:

1. start from step # 2, create a fix branch and then fix, merge to master, and push

or

2. git revert SHA

What does that do?

- creates a negative copy of your changes, i.e. it backs out the last change

- makes a new commit, with going back to how it was

10. (optional) Once you are satisfied with your work, delete the branch

a. delete locally -- git branch -d pm\_something

b. delete remote (on github) -- git push -d origin pm\_something

- deleting a feature branch is not a must have, but helps keep the list of branches manageable

- delete the completed branches once a week, so there are a manageable number of branches out there

Ref:<https://www.atlassian.com/git/tutorials/using-branches>