**GitHub Standard Fork & Pull Request Workflow (How to Contribute in Open-Source Projects)**

Whether you're trying to give back to the open source community or collaborating on your own projects, knowing **how to properly fork and generate pull requests is essential.** Unfortunately, it's quite easy to make mistakes or not know what you should do when you're initially learning the process.

In an attempt to coallate this information for myself and others, this short tutorial is what I've found to be fairly standard procedure for creating a fork, doing your work, issuing a pull request, and merging that pull request back into the original project.

**Creating a Fork**

Just head over(Go to) to the GitHub page on which you are going to Collab (Contribute) and click the "Fork" button. It's just that simple. Once you've done that, you can use your favorite git client (**Git bash**, github Desktop) to clone your repo or just head straight to the command line:

# Clone your fork to your local machine(System)

git clone https://github.com/USERNAME/FORKED-PROJECT.git

## How to Keep Your Fork Up to Date

While this isn't an absolutely necessary step, if you plan on doing anything more than just a tiny quick fix, you'll want to make sure you keep your fork up to date by tracking the original "upstream" repo that you forked. To do this, you'll need to add a remote:

# Add 'upstream' repo to list of remotes

git remote add upstream https://github.com/UPSTREAM-USER/ORIGINAL-PROJECT.git # Not your Forked Repo.

# Verify the new remote named 'upstream'

git remote -v

Whenever you want to update your fork with the latest upstream changes, you'll need to first fetch the upstream repo's branches and latest commits to bring them into your repository:

# Fetch from upstream remote

git fetch upstream

or

# Pull from Upstream

git pull upstream

# View all branches, including those from upstream

git branch -va

If there are conflicts, resolve them. For more information, see "[Addressing merge conflicts](https://help.github.com/articles/addressing-merge-conflicts)".( https://help.github.com/articles/addressing-merge-conflicts/)

After Pulling /Fetching The Upstream Your Local Machine Repository is Updated With Upstream Repository .

If You want to Collab/Contribute , Simply Make changes to your local Repo and Adding the files to Github(add , commit , push) and Generate a New P-R Request Pull Request to the user, If the user Finds the new Feature ,He will Merge your Changes to his Repository .