

Your Team's Version Control Work Flow

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Learning Objectives:

- Review basics of version control using git <https://git-scm.com/book/en/v2>
- Review repo hosting, eg. github <https://guides.github.com/activities/hello-world/>
- Review GIT, familiarize with common ways to use GIT in collaborative way <https://www.atlassian.com/git/tutorials/comparing-workflows#gitflow-workflow>
- Learn the "GitFlow" work flow: <http://nvie.com/posts/a-successful-git-branching-model/>

Steps

1. Rename this file, and fill in boxes.
2. Review git, and discuss pros and cons of the various workflows with your team.
3. Agree on workflow (we suggest "GitFlow" or "Feature-Branch"). Write it out in your own words. State the steps clearly. Talk through it in your team. Make sure all team members have same understanding.

Questions to ask yourselves:

- How will everyone branch?
- Will you do local merges? Or pull-requests?
- Who will approve pull-requests?
- How will "merged" (or approved) pull-requests be communicated to the team?

Our Team's Agreed Workflow:

1. For the big features, such as some other pages, functionality, a member in charge of that part creates a 'feature branch', And Kelvin, Version control manager will manage merging the feature branch into developer branch.
2. We will do pull-request.
3. Kelvin Ka Ho Lee will manage pull-requests.
After going over and solving the conflict, he will merge it.
4. Every time someone pushes something, that person announces it to the team through Discord.

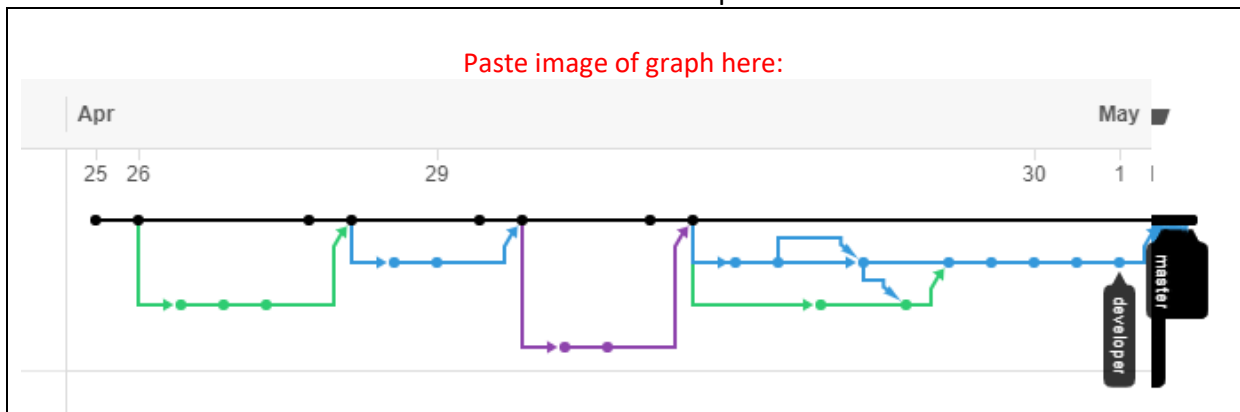
4. As a team, go through the motions of creating, and developing, a new project, using your agreed workflow. Every team member, in a local directory, must create some file (like "bob.txt"), and contribute it to the repository.

Example: If you are using Gitflow, it might look like this:

- Someone create repo on github with "master", and "develop".
- Each contributor clone from GitHub
- Each contributor should branch from "develop"
- Do some work (commit)
- Each contributor's feature branch should merge (or pull-request) into "develop"
- Repeat last 2 steps a few times (optional)
- Finally, the "develop" branch should merge (or pull-request) into "master"

5. Show a Network Graph, which **demonstrates your workflow** clearly. In GitHub, this would be under the "Insights" tab, and "Network" sidebar menu.

Our Network Graph



Submission

Submit this document to D2L.