Git Work Flow Lab

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## Learning Objectives:

* 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 below.
2. Review git, and discuss pros and cons of the various workflows with your team.
3. Agree on workflow (we suggest "GitFlow"). Write it out in your own words. State the steps clearly. Make sure all team members have same understanding.

Our Team's Workflow:

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| Git Flow.  To establish and maintain some order with the team’s code, we will be using the GitFlow Workflow plan. We have a repository set up on GitHub with a master and a develop branch. These branches will be infinite branches from which team members can clone and merge into. Each team member will create their own feature branch when they have their own code they wish to add to the main project. Then, the code will get merged into the develop branch after everyone agrees. Any finalized, finished code will be merged into the master branch. If we have any bugs in the main master branch, we will create a temporary release branch from which we can fix the code and submit back into the master branch. |

1. 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.

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

* 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"

1. From GitHub, look at the develop branch.

Our Team's Develop Branch

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| Paste screen capture image of "Code" tab from on GitHub showing your develop branch files.  Each contributor's file should be visible. |

1. From GitHub, look at the Network Graph, which demonstrates your workflow.

If you followed Gitflow, it should look something like the diagrams in the websites above. Each contributor's name (ie, GitHub ID) should be visible.

Our Network Graph

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| Paste image of graph here: |

## Submission

Submit this document to D2L.

For the remainder of this lab period, work on your Agile spread-sheet product backlog.