	GIT Branching Exercise
	in list <u>Git</u>
	LABELS
=	Description Edit
	https://guides.github.com/activities/hello-world/#branch This guide will teach you how to create and use branches and pull requests on Github. What is a branch? A branch is a duplicate of your project where you can make changes to your code in isolation. This is handy for collaboration and experimentation. Note that the default branch and the one you want to keep clean is going to be master. Every other branch is where you want to break and experiment with code. Mess up a branch? That's okay! Just nuke the branch and make a new one!
	Now what is a pull request? A pull request is an automated way of merging your change from one branch into another. This will be through the Github website. A pull request will show whether you can merge your code automatically or manually. Also it's a space to discuss with your collaborators the changes to your project. Each collaborator will be able to approve or disapprove changes and leave comments.
	The idea behind pull requests is that it enforces a standard operation procedure. You can now collaborate using Git with a lot less fear!
	Now what the heck is a merge? Merging is the process of refactoring two different versions of a project into one. Merging will require that your files will need to change.
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	1) a Github Repo with all the collaborators invited 2) A local git rope pointed to the desired project
	2) A local git repo pointed to the desired project3) Git bash opened and pointed to the Local repo
	4) Visual Studio (or whatever your preferred IDE is)
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	3) In Git Bash, go in and type Git branch, that will show you what branch you're on, like git status this is useful to do throughout the process to see what bash sees.
	4) If you only see master, do a git pull to pull down info on your new branch
	5) Test if it worked use: git branch again, note that your current branch will have a * next to it
	6) To swap branches use: Git checkout BranchNameHere, try to check out your new branch
	7) Right now the two branches should be identical, let's get dangerous and edit the new branch, go into visual studio and change up a line
	8) To track your new changes, go git add . and then Git commit -m "message" as you normally would
	9) Time to upload go git push
	10) Now let's hop back to github, switch to your branch from the drop down towards the top left (same one as when you made it) and see if your change made it up
	11) If not let's spend time debugging, git branch, git status, and git remote -v will all be handy here
	12) If yes, you will see a little message pop up with a green button on the far right labeled "Compare and Pull Request" smash that button, not a gentle tap, git only respects force.
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	7) In this new page you can now edit your code directly, you'll notice that you'll have little blocks split in two. That is where you are getting merge conflicts. You may delete one branch's code, or combine both branches, what you do will change on a case by case basis.	
	8) Flip through using the arrows in the top right to find and resolve each conflict. After you edit everything hit the mark resolved button.	
	9) That button will then turn green into a commit merge button. Hit that like it owes you lunch money.	
	9) You'll be taken back to the pull request page simply hit the green Merge Pull Request button and you're all set!	
	10) Once done merging go into git bash on your branch, and pull down the code changes from the remote.	
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