Lab 1: Git-ting Ready

Part I: Introduction to GitHub

Read https://guides.github.com/introduction/flow/ to acquaint yourself with the flow of GitHub.

Then, log into your GitHub account, and complete the Hello World tutorial: https://guides.github.com/activities/hello-world/

Once you've completed the tutorial:

1. Click on the Settings tab
2. Click on "Collaborators"
3. Add your instructor <insert instructor's GitHub username> as a collaborator to your master repository

Part II: Getting Set Up with GitHub Desktop

Download GitHub Desktop using one of the following links:

Link for Mac: https://central.github.com/mac/latest
Link for Windows: https://github-windows.s3.amazonaws.com/GitHubSetup.exe

Once the download completes:

- If you are using a Mac, make sure to copy the GitHub Desktop application to your Applications folder in Finder
- If using Windows, double click the download to Install
- Open up the GitHub Desktop application
- Enter your GitHub account credentials to connect
- Go ahead and Install Command Line Tools (we may need these later)
- Don't add any local repositories just yet
- Proceed to Part III of this lab

Part III: Cloning A Repository

1. Go to <insert repository link> https://github.com/mson-team-alexa/alexa-skills-kit-java

2. Click "Fork" in the top right corner, and fork to your own personal GitHub account

3. This should redirect you to your own fork of the repository

4. Now open up GitHub Desktop

5. Click the "+" in the top left corner, then click the "Clone" tab, and select the name of the repository you just forked
   [Note: it may take a couple of minutes after forking for the repository name to appear.]

6. You should now see the repository represented in GitHub Desktop

7. Right click on the repository name and click "Open in Finder" (on Mac) or "Show in Windows Explorer" (on Windows)

8. Once Finder / Windows Explorer displays the files stored in the repository, open up README.md and add your name to it, and save the changes

9. Back in GitHub Desktop, you should see the change in the README file reflected

10. We want to *commit* this change, which simply means we want to record the change we are making to the repository
    - To commit, add a message in the "Summary" text box (something like "Updated README") and "Description" text box (something like "adding my name"), and then hit "Commit to master"

11. Finally, click "Sync" in the upper right corner to push these changes to the master copy of the forked repository (stored on GitHub), so that the updates are visible to others as well

12. Now, if you view the repository on GitHub (in your browser), you should see this change reflected. To get to the GitHub repository in your browser, right click on the repo name in GitHub Desktop, and click "View on GitHub"

Congratulations!

You have completed your first official lab! And by now you have hopefully learned to:

- Fork a repository (or create a copy of a repository so that you can freely experiment with changes without affecting the original project)
- Clone a repository (when you want a local copy of a repository)
- Edit files to make a change
- Commit files (to record the changes you made)
- Sync your changes with the master copy of the repository