GIS4x07 GitHub and exercise folder setup with SourceTree

**Intro**

This document contains the instructions for setting up a GitHub repository and cloning it to a lab exercise folder for GIS4107 or GIS4207. This example uses gis4207-week02. You will replace this with the appropriate course/week (e.g. gis4107-week04, gis4207-week02, etc.)

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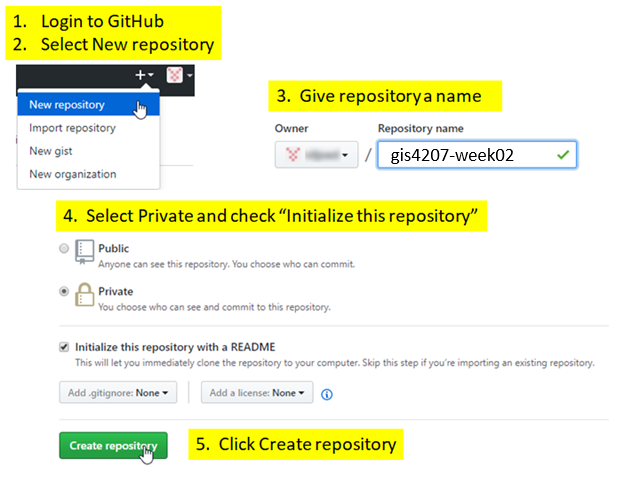
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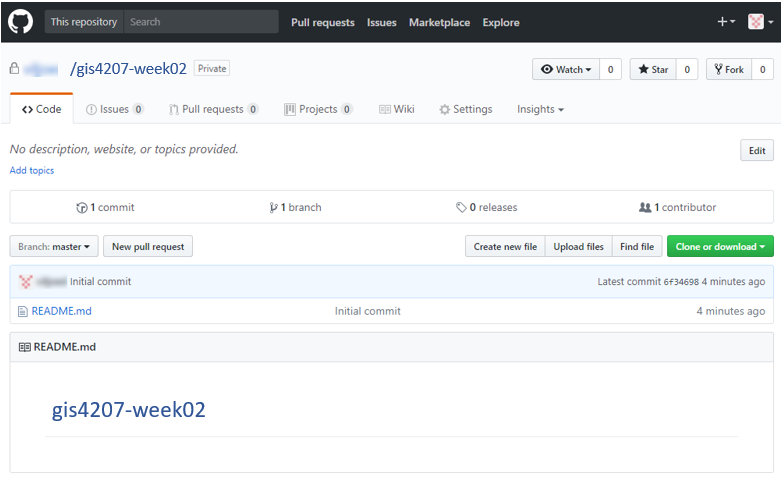
# Create a new repository in GitHub

1. Login to [GitHub](https://github.com/)
2. Select New Repository from “+” menu in upper right or click “New repository button”
3. For Repository name, use the pattern “course-weekN” where N is a 0-padded number  
   (e.g. gis4207-week02)
4. Set it to be a Private repository
5. Check Initialize this repository with a README. This will allow you to clone this GitHub repository to a local repository.
6. Click Create Repository

The following graphic shows the above steps



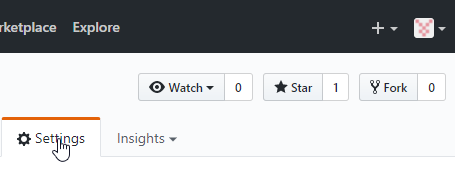
This creates the new repository shown below.



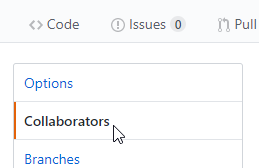
# Add Collaborators

You have now successfully created a Private repository and it will be the active repository.  Add viljoed and your partner as collaborators as follows:

Select the Settings tab for the repository …



Select Collaborators from left menu …



Search / select /add collaborator …

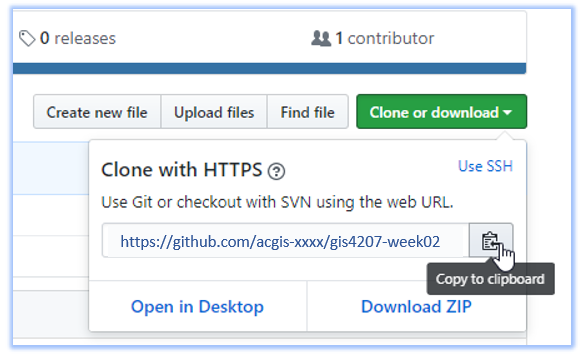


Search / select / add other collaborators (e.g. your partner)

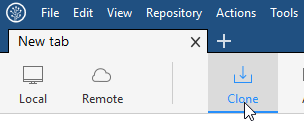
# Clone the GitHub repository to a local repository

A local repository will be created as a .git hidden folder in a folder of your choosing. In this example, E:\acgis\gis4207\week02\lab.

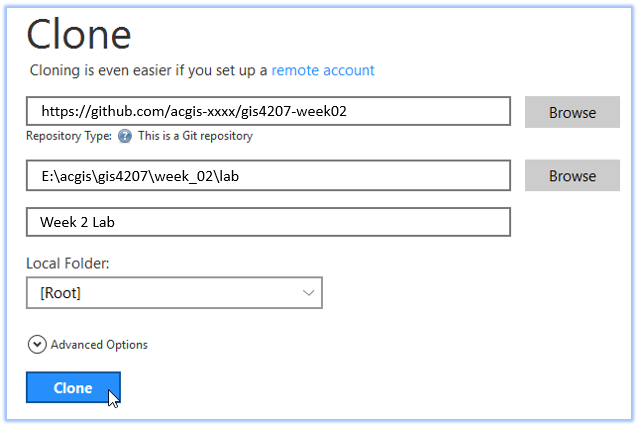
In GitHub, copy the URL for the repository you created above



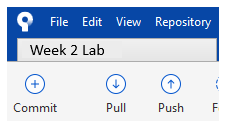
In SourceTree, click the Clone button



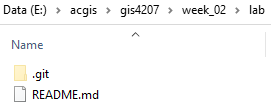
Fill out the Clone dialog shown below with the details that match your GitHub repo and local repository folder. “Week 2 Lab” in the dialog is the label that will be on the SourceTree tab.



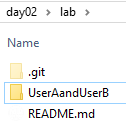
Click Clone and the GitHub repository will be cloned to your local repository folder. The tab will appear in SourceTree:



The folder should look something like the following:



You have been provided with the folder name for you and your partner. Create a folder in this working directory (tree) with that name, e.g.



This “UserAandUserB” will need to contain at least one file before you stage, commit, and push to GitHub.

