Lab: (Sourcetree) Commit to a Local Repository

Estimated time: 10 minutes

> Note: This lab assumes that you are using Sourcetree. If you would prefer to use a command line interface, there are separate instructions.
>
> Note: This lab assumes that you have created a local repository named `projecta`. This was done in the previous lab.

In this lab, you will:

1. View the file status of an untracked file.
2. Stage a file.
3. Create a commit.
4. View your commit history.

1: View the file status of an untracked file.

1. **(Mac)** From the main Sourcetree window, double-click on the `projecta` repository to view its details.
   (Windows) View the tab with the `projecta` repository.

2. You should see that the `File status` tab is highlighted, and that there are no files in the working tree. You should see the message "Nothing to commit".

3. Using whatever method you choose, create an empty file named `fileA.txt` in your `projecta` directory. This will be the first file in the working tree of the repository.

4. **(Mac)** Click on the Sourcetree window to refresh it (if necessary). You should now see that the `File status` tab has a 1 next to it. This indicates that Git has recognized a change related to one file. You should see your `fileA.txt` file as untracked, indicated with a question mark icon.

   (Windows) Click on the Sourcetree window to refresh it (if necessary). Under `Unstaged files`, you should see your `fileA.txt` file as untracked, indicated with a question mark icon.

   > Congratulations, you have viewed an untracked file in your working tree.

2: Stage a file.

1. **(Mac)** Select the three dots next to your `fileA.txt` file. This brings up a menu. Select **Stage file**.

   (Windows) Under `Unstaged files`, select `fileA.txt` and click **Stage Selected**.

2. You have added `fileA.txt` to the staging area. Notice that `fileA.txt` now shows as a staged file, as indicated by a green plus icon. This means that the next commit that you make will include this file.

   > Congratulations, you have staged a file.

3: Create a commit.

1. **(Mac)** Click **Commit** to begin the process of creating your first commit.

   (Windows) Optionally click the Commit button at the top of the screen. You usually can just enter a commit message without having to do this.

2. In the lower part of the screen, enter a commit message of "add fileA.txt".

3. Click **Commit**. You should again see the status of "Nothing to commit".

   > Congratulations, you have created a commit.

4: View your commit history.

1. **(Mac)** Click the **History** tab on the left. You should see your commit and your commit message.

   (Windows) Click the **Log/History** tab at the bottom. You could also click on the `master` branch label at the left. You should see your commit and your commit message.

2. You will not use the `projecta` repository in future labs. Feel free to delete it using the procedure below.
   (Mac) In the main Sourcetree window, right-click on the repository name and select `Delete`.

   (Windows) In a new tab, right-click on the repository name and select `Delete`. Then select `Delete Repositories on Disk`. This removes the repository from Sourcetree and

deletes the project folder.