13.3.1

Add, Commit, and Push to a Branch

Basil wants you to commit your changes to the Simple_Leaflet_Map branch so the team can review. If he says there are no changes to be made to your branch, then you can merge it with the main branch.

Watch the following video to learn more about Git Branching.

Mapping Earthquakes with JS & APIs

Git Branching

2:35

↻ Retake

First, we'll check to see if you're in the Simple_Leaflet_Map branch. In the command line, navigate to your Mapping_Earthquakes folder and type `git branch`. If the following output is returned with an asterisk next to the branch name, you're in the Simple_Leaflet_Map branch:

```
* Simple_Leaflet_Map
  main
```

Just as we have checked the main branch status of other repositories, we'll do the same with the Simple_Leaflet_Map branch.

C Retake

After typing `git status`, the command line should show the following:

```
On branch Simple_Leaflet_Map
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Simple_Map/

nothing added to commit but untracked files present (use "git add" to track)
```

To see all the folders and files in the Simple_Map folder, type `git status -u` and press Enter. The output in the command line should look like the following:

```
On branch Simple_Leaflet_Map
Untracked files:
   (use "git add <file>..." to include in what will be committed)
        Simple_Map/index.html
        Simple_Map/static/css/style.css
        Simple_Map/static/js/config.js
        Simple_Map/static/js/logic.js

nothing added to commit but untracked files present (use "git add" to track)
```

REWIND

We don't want to add `config.js` file to the repo because our repository is public. This means the Mapbox API key would be available for anyone to copy and use, possibly causing us to incur charges.

↻ Retake

If you didn't initialize the repository with a `.gitignore` file, we'll create one. Then we'll add `config.js` to the `.gitignore` file so that GitHub doesn't track that file.

In VS Code, create a new file in the Simple_Map folder and name it `.gitignore`. Your repository folder should look like the following:

Next, add the following lines to the `.gitignore` file and save the file:

```
# Ignore the config.js file.
config.js
```

In the command line, type `git status - u` and press Enter. The output should have the `.gitignore` file and all the files as before, except the `config.js` file. All the files in red will be tracked when we use `git add`, with the exception of the `config.js` file.

```
On branch Simple_Leaflet_Map
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        Simple_Map/index.html
        Simple_Map/static/css/style.css
        Simple_Map/static/js/logic.js

nothing added to commit but untracked files present (use "git add" to track)
```

Next, we'll add these folders and files to the Simple_Leaflet_Map branch as we did for the main branch.

↻ Retake

After typing `git push` and pressing Enter, the output message will look like the following:

```
fatal: The current branch Simple_Leaflet_Map has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin Simple_Leaflet_Map
```
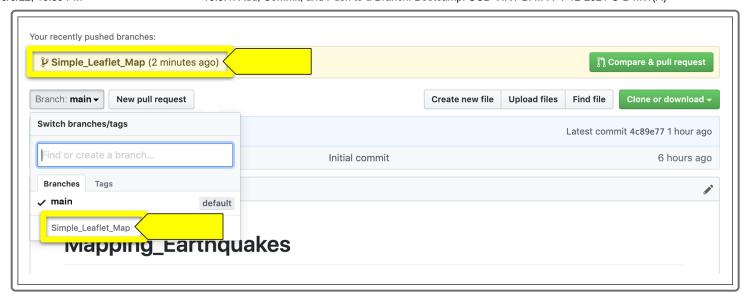
To push the folders and files to the Simple_Leaflet_Map branch for the first time, type `git push --set-upstream origin Simple_Leaflet_Map` in the command line and press Enter.

NOTE

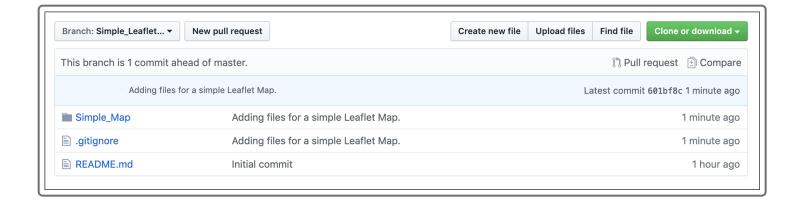To add any files after this initial push, type `git push`.

Now all the folders and files are in the Mapping_Earthquakes repository in the Simple_Leaflet_Map branch. Confirm this by navigating to the repository and refreshing the page.

We can see that we have created a new branch, indicated at the top. If we click the dropdown menu "Branch: **main**" in our repository, the Simple_Leaflet_Map branch appears.

Your recently pushed branches:

⎇ **Simple_Leaflet_Map** (2 minutes ago)

🔀 **Compare & pull request**

Branch: **main** ▾ | New pull request

Create new file | Upload files | Find file | Clone or download ▾

Switch branches/tags

Find or create a branch...

Branches | Tags

✓ **main** `default`

Simple_Leaflet_Map

Latest commit 4c89e77 1 hour ago

Initial commit — 6 hours ago

Mapping_Earthquakes

To check if our folders and files are in the Simple_Leaflet_Map branch, select the branch from the dropdown menu. You should see all the files we added.

Branch: **Simple_Leaflet...** ▾ | New pull request

Create new file | Upload files | Find file | Clone or download ▾

This branch is 1 commit ahead of master.

🔀 Pull request | 📄 Compare

Adding files for a simple Leaflet Map.

Latest commit `601bf8c` 1 minute ago

📁 Simple_Map	Adding files for a simple Leaflet Map.	1 minute ago
📄 .gitignore	Adding files for a simple Leaflet Map.	1 minute ago
📄 README.md	Initial commit	1 hour ago

Congratulations on adding your files to a new branch!

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