

How to submit data with GitHub

GitHub Dashboard

These instructions assume that you have a GitHub account and are logged in.

If you do not, please go to github.com and create a free account.

Also, this is just one way to submit data directly through the GitHub website. There are other ways to accomplish the same thing, and if you're familiar with them, by all means use what's comfortable to you.

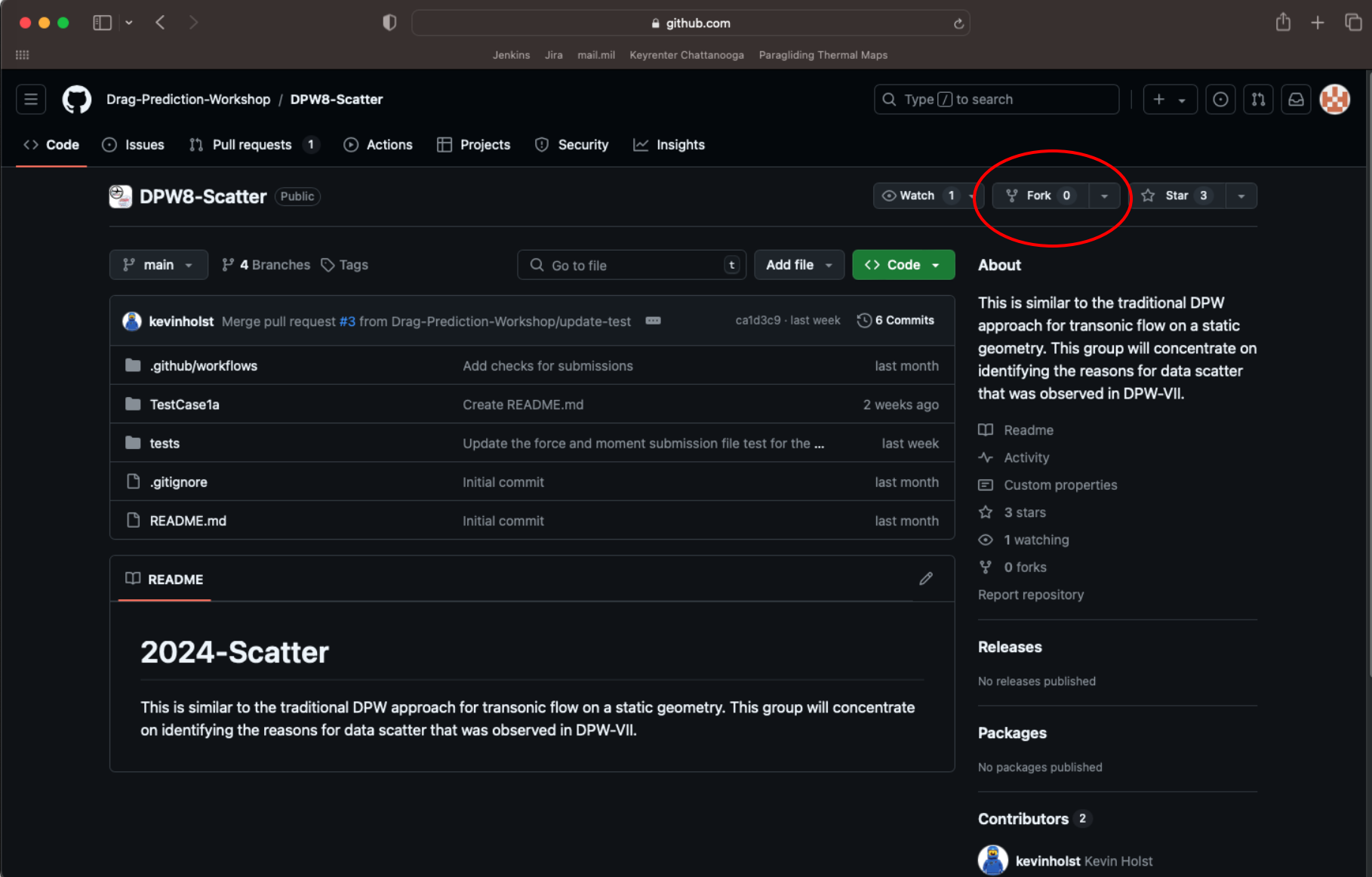
The screenshot shows the GitHub Dashboard in a dark theme. At the top, there's a navigation bar with the GitHub logo, a search bar, and user profile icons. The main content area is divided into several sections:

- Left sidebar:** "Create your first project" section with buttons for "Create repository" and "Import repository".
- Center:** "Join GitHub Education!" banner with a "Join GitHub Education" button. Below it, a "Home" section with a "Start writing code" prompt and a "Filter" button.
- Right sidebar:** "Explore repositories" section listing repositories like "ViewComponent / view_component", "defold / defold", and "bioconda / bioconda-recipes".
- Bottom left:** "Start a new repository for holstkevin" form with fields for repository name and visibility (Public/Private).
- Bottom right:** "Introduce yourself with a profile README" section with a "Create" button and a preview of a README file.

DPW8-Scatter Repository

<https://github.com/Drag-Prediction-Workshop/DPW8-Scatter>

- Navigate to the desired repository. DPW8-Scatter is shown here. Select the repository for your working group
- If you are a member of more than one working group, you only need to submit data to one repository. You can choose which one
- Click the **Fork** button. This will create your own version of the repository, which you will use to submit your data.



The screenshot shows the GitHub repository page for 'DPW8-Scatter' under the 'Drag-Prediction-Workshop' organization. The repository is public and has 1 watch, 0 forks, and 3 stars. The 'Fork' button is circled in red. The repository contains a README file and a commit history table.

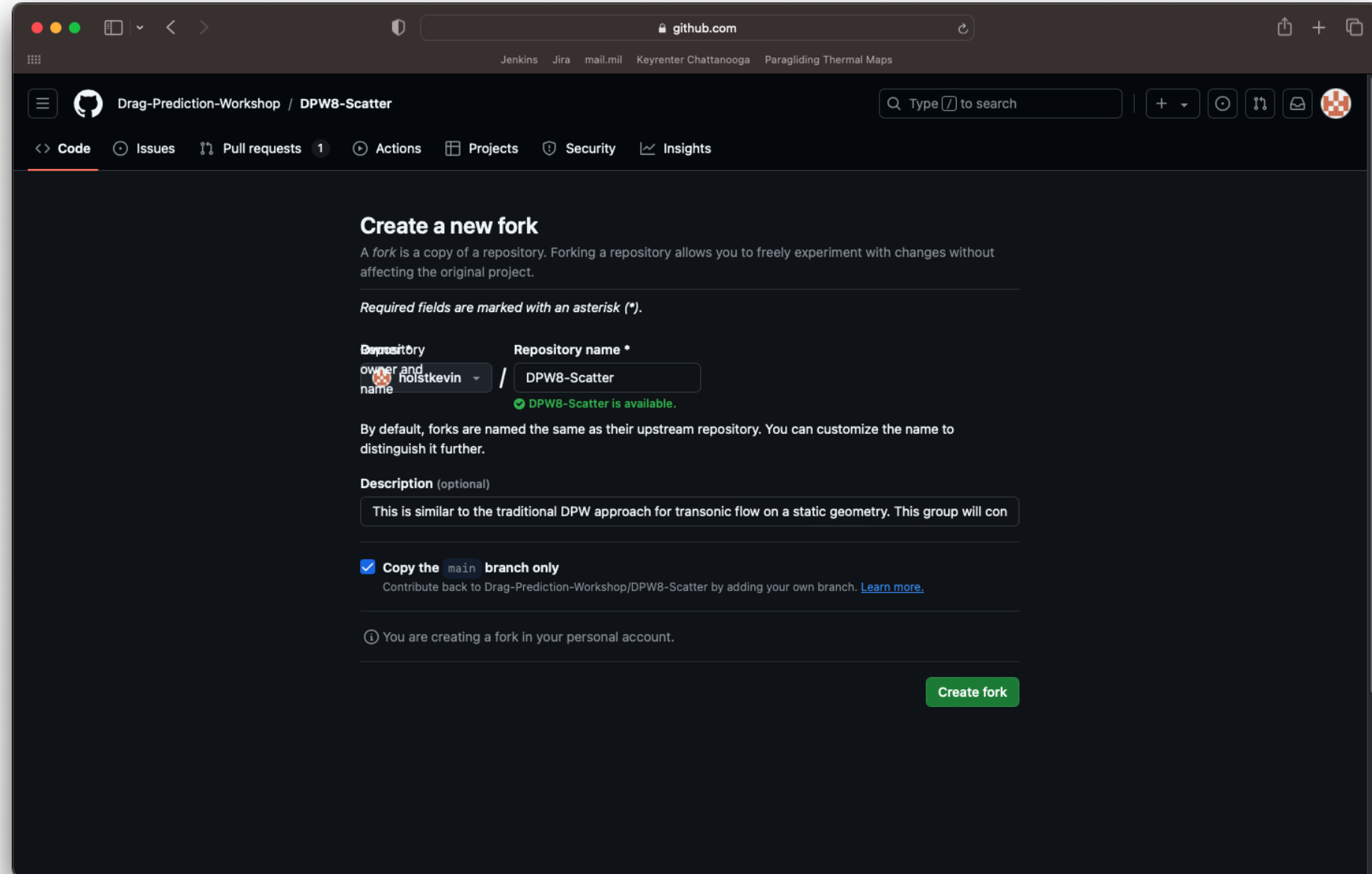
Author	Commit Message	Commit Hash	Time	Commits
kevinholst	Merge pull request #3 from Drag-Prediction-Workshop/update-test	ca1d3c9	last week	6 Commits
	.github/workflows	Add checks for submissions	last month	
	TestCase1a	Create README.md	2 weeks ago	
	tests	Update the force and moment submission file test for the ...	last week	
	.gitignore	Initial commit	last month	
	README.md	Initial commit	last month	

2024-Scatter

This is similar to the traditional DPW approach for transonic flow on a static geometry. This group will concentrate on identifying the reasons for data scatter that was observed in DPW-VII.

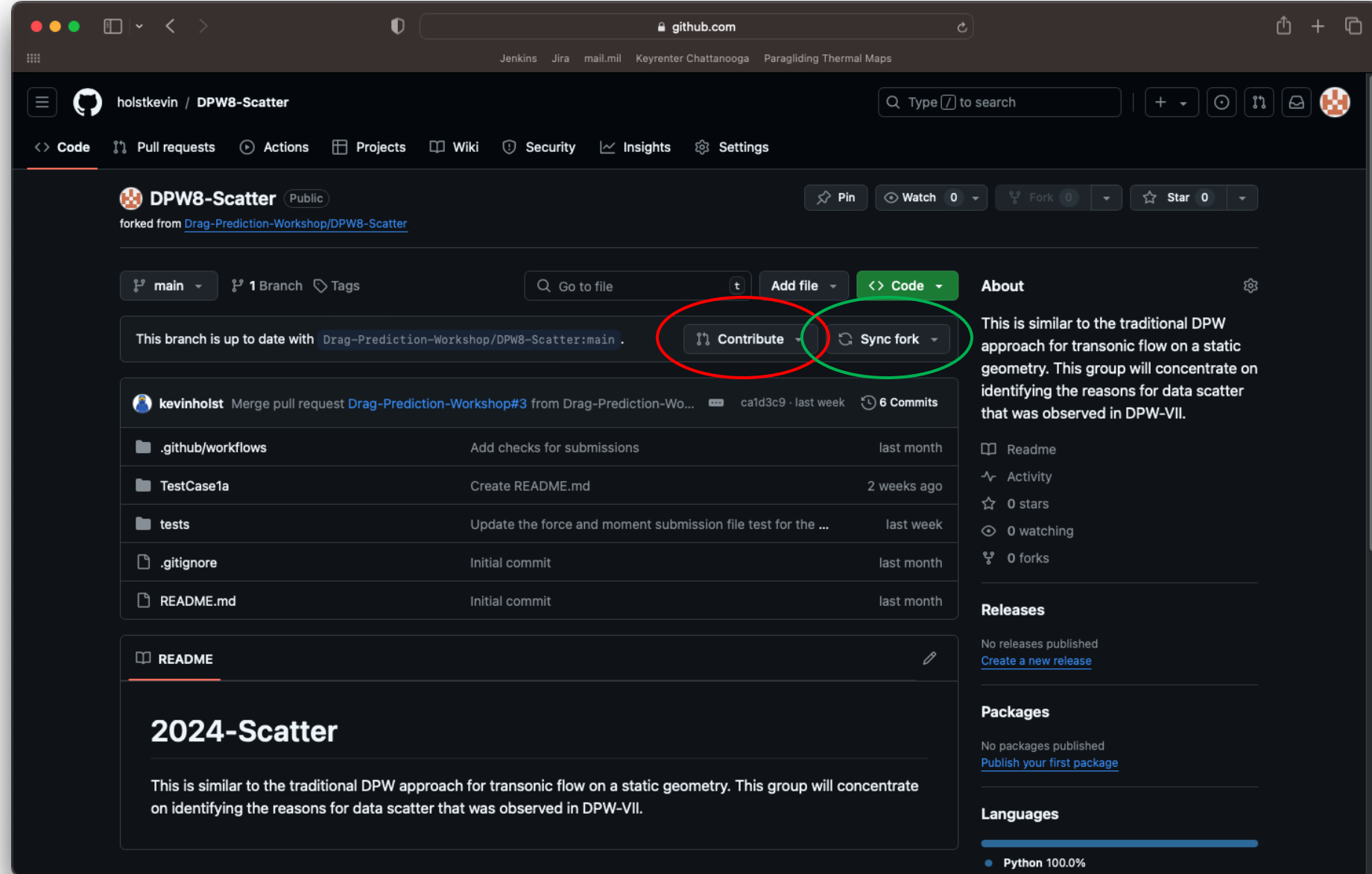
Your fork of DPW8-Scatter

- After clicking **Fork**, you'll be walked through the process of creating a new fork from the repo.
- You can name this fork whatever you'd like, but I would recommend just keeping the name the same and copying the main branch only.



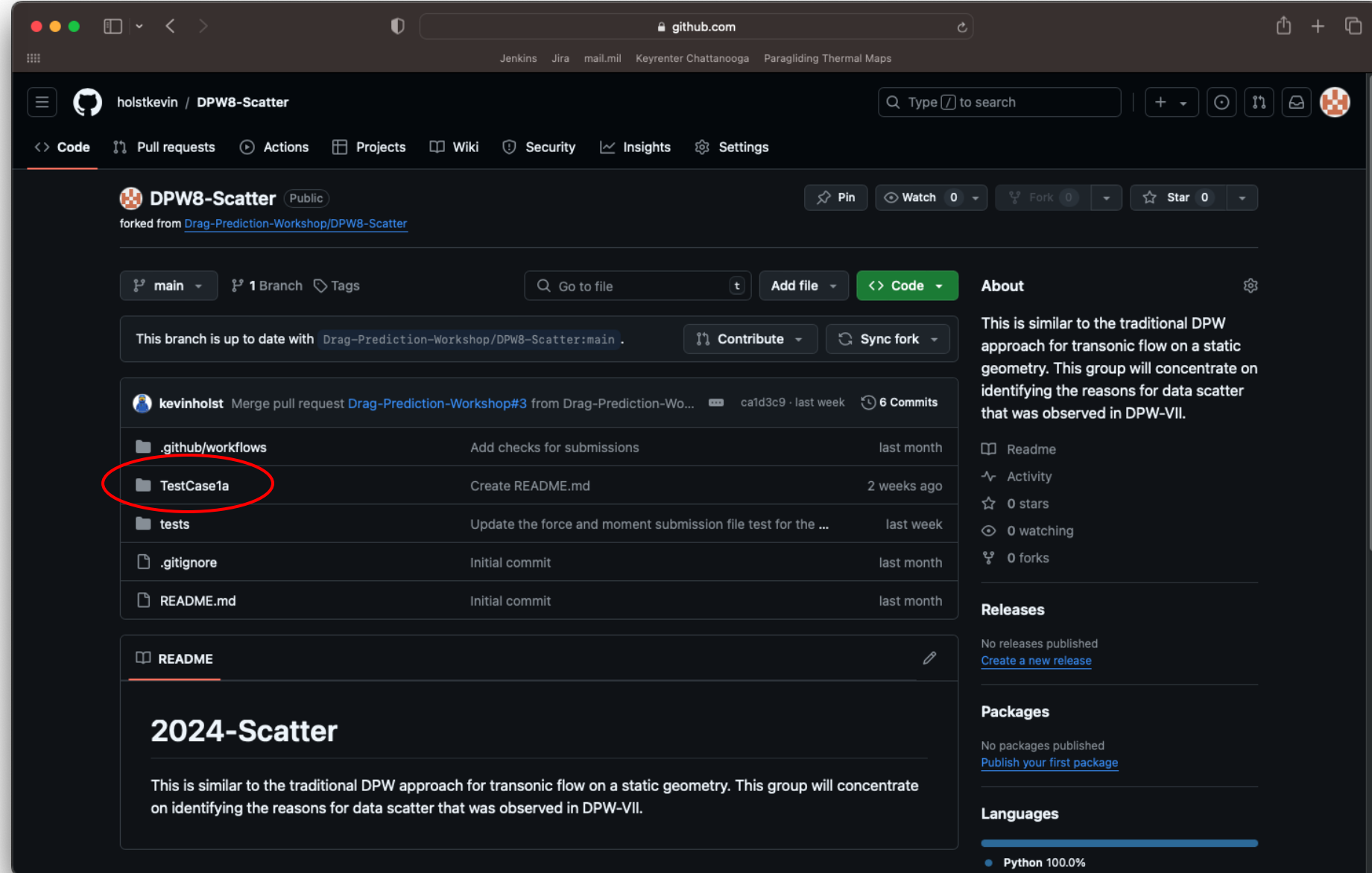
Your fork of DPW8-Scatter

- After creating the fork, you'll be brought to a landing page for your new fork of the repository.
- Some key features here are
 - **Contribute** – This is how you will push your data up to the main repository
 - **Sync fork** – Clicking this will bring updates from the main repository into your local fork



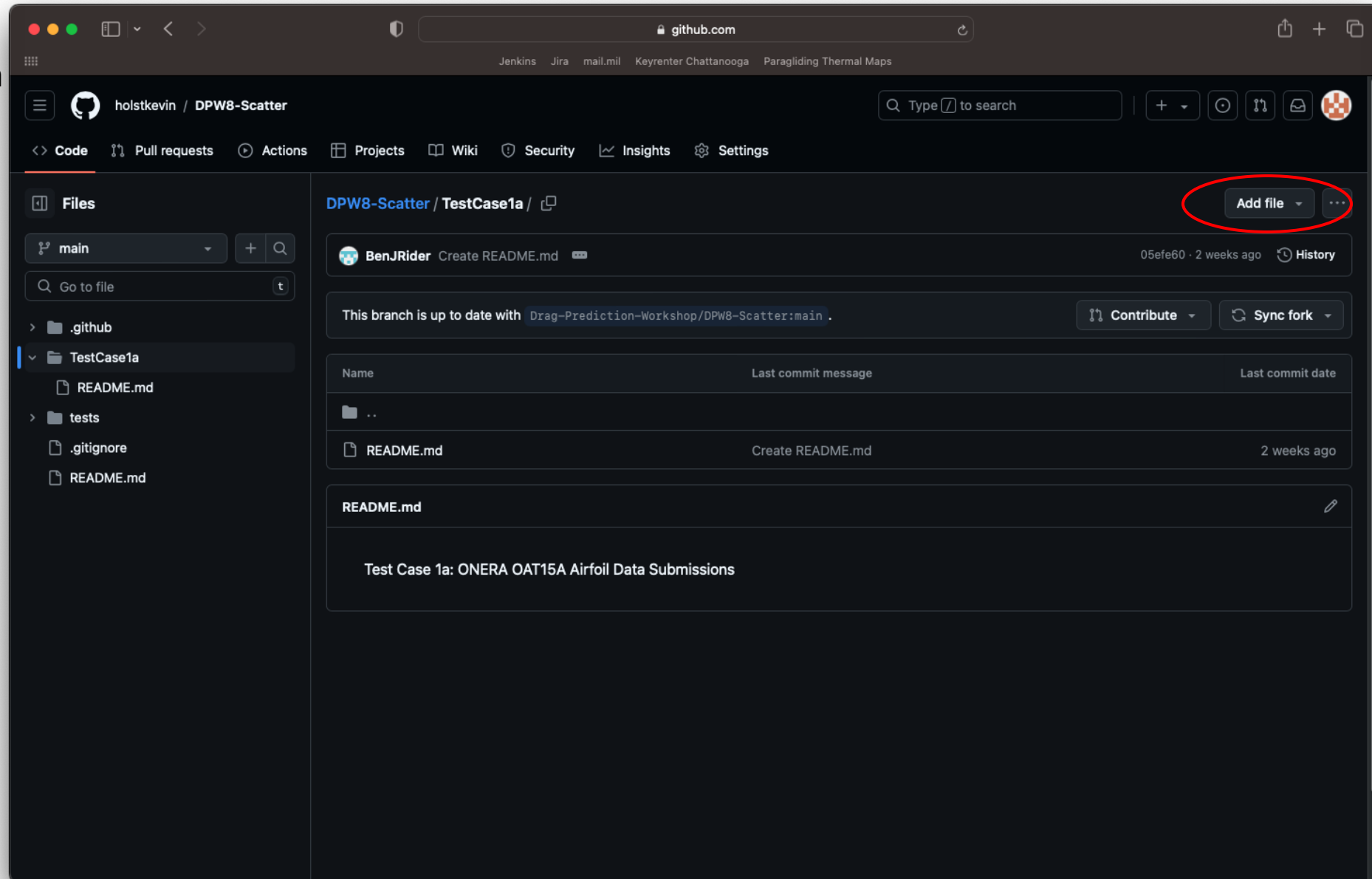
Your fork of DPW8-Scatter

- Next we'll create the folder structure for your submission.
- A folder for TestCase1a has already been created, but you'll need to create subfolders for your participant ID and submission ID
- Start by clicking the **TestCase1a** folder



Your fork of DPW8-Scatter

- If you already have a folder in place for your participant ID, you can skip this step.
- Click **Add file** and select **Create new file**

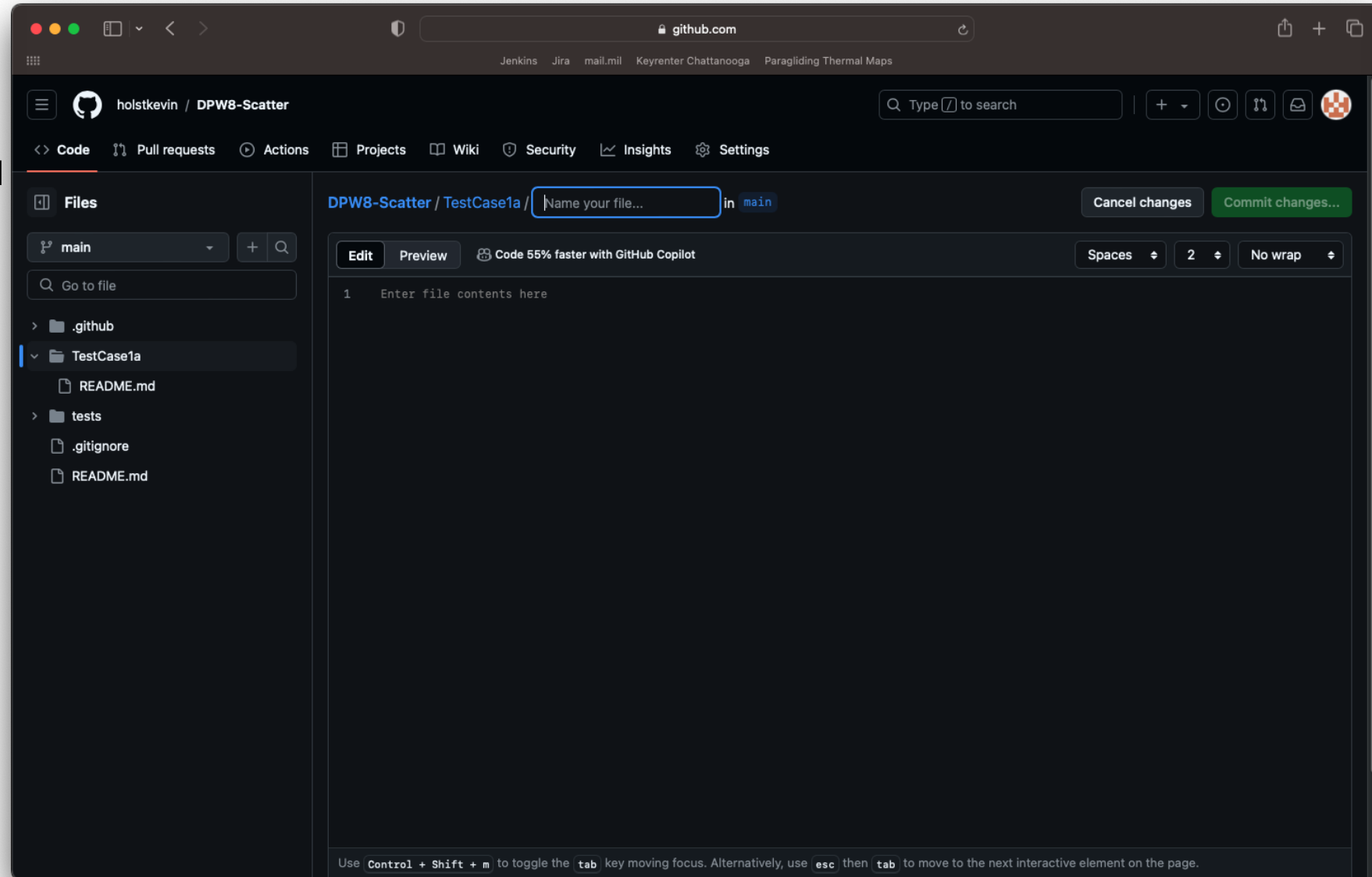


Your fork of DPW8-Scatter

- We'd like to create a README.md file within a new directory called 999_StarkIndustries, so in the **Name your file...** box type I would type:

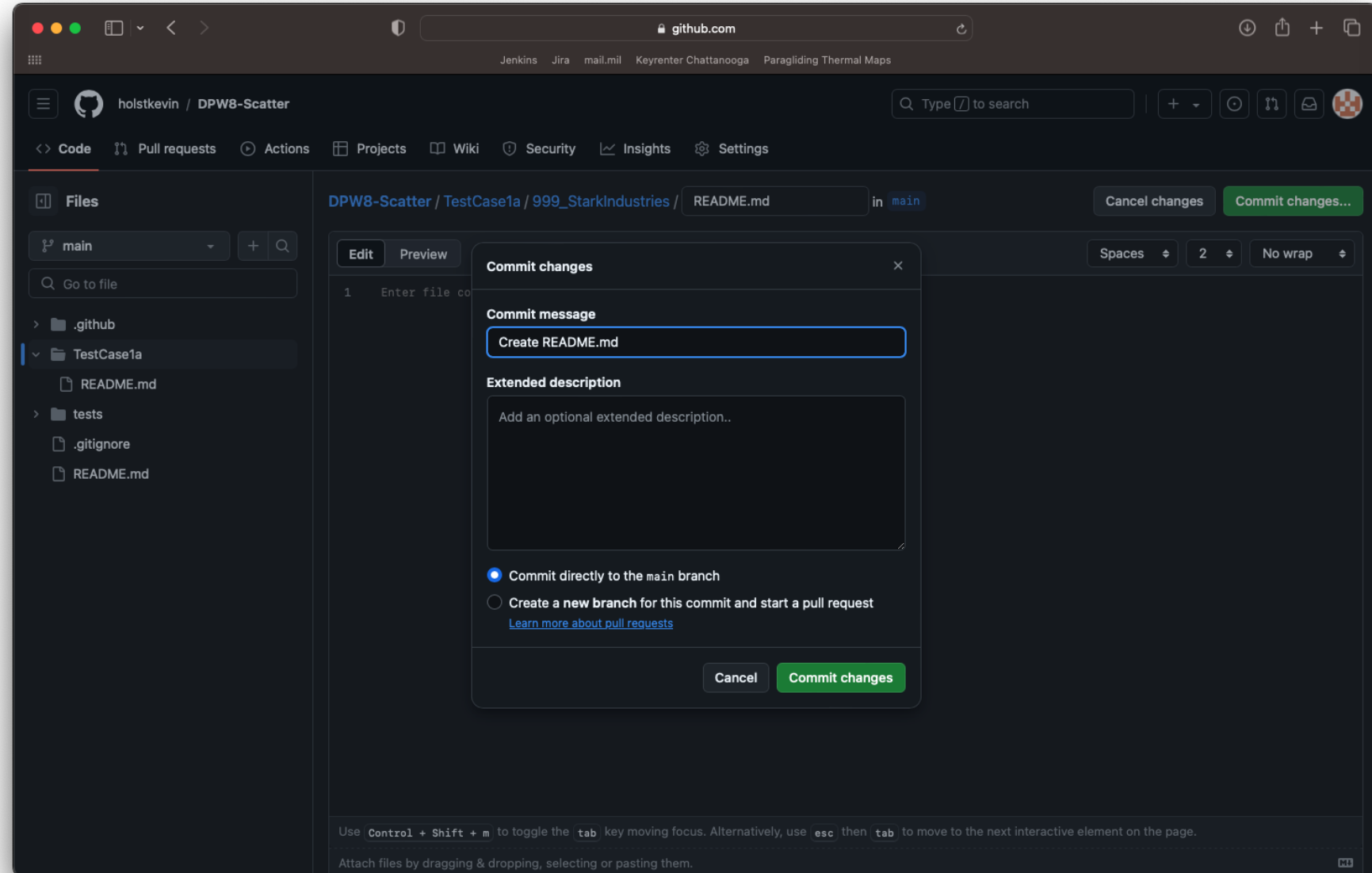
999_StarkIndustries/README.md

- Obviously replace 999_StarkIndustries with your participant ID and description
- After doing this, you can leave the README.md file blank for now or include any information in there that you'd like.
- Click **Commit changes...**



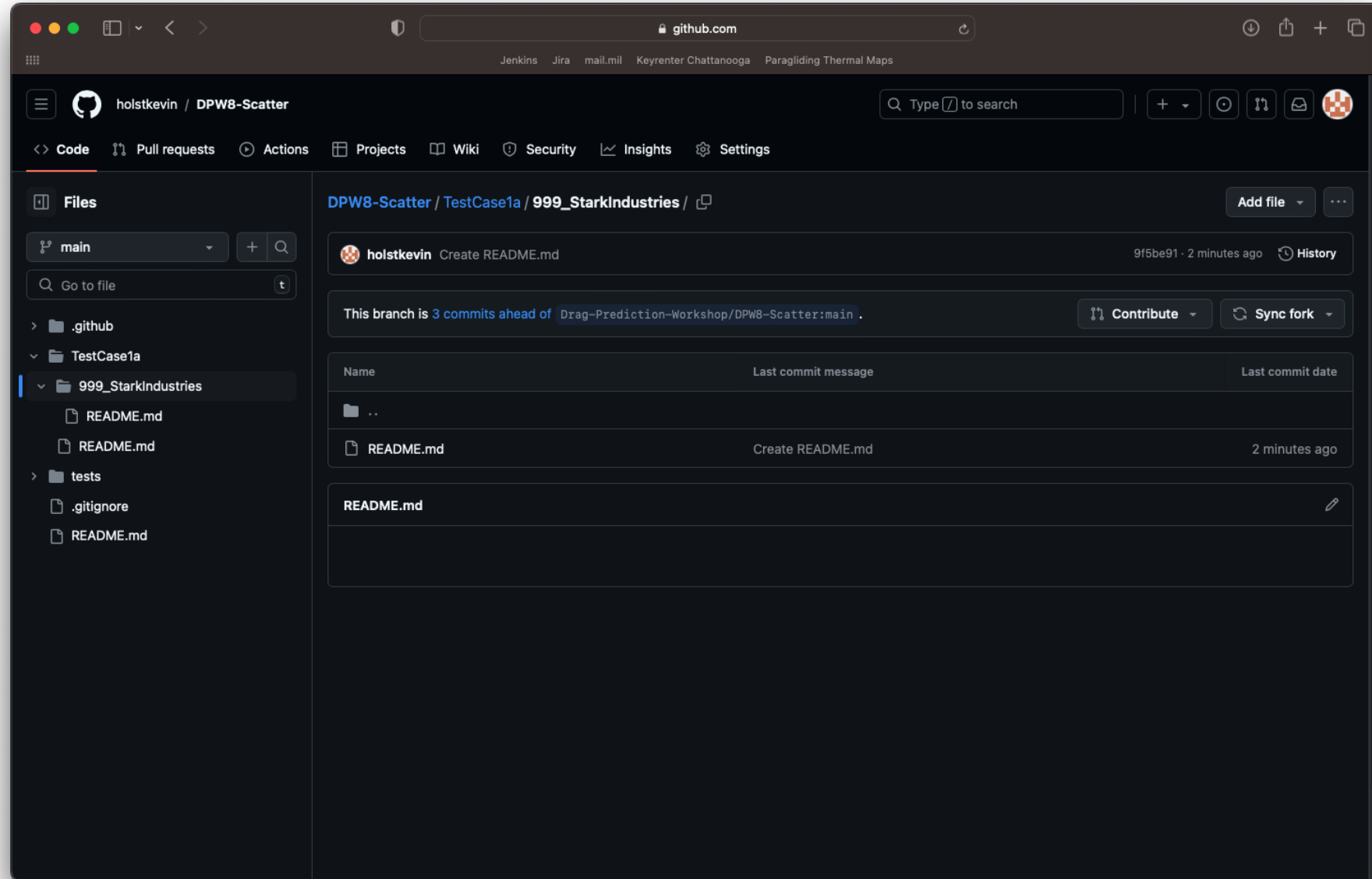
Your fork of DPW8-Scatter

- Create a commit message with whatever you like
- Add a description if you'd like
- Click **Commit directly to the main branch**
 - Note: you can create a local branch if you prefer that workflow, but that won't be described here.
- Then click **Commit changes**
- This will create a folder in TestCase1a called 999_StarkIndustries with a README.md file in that folder.



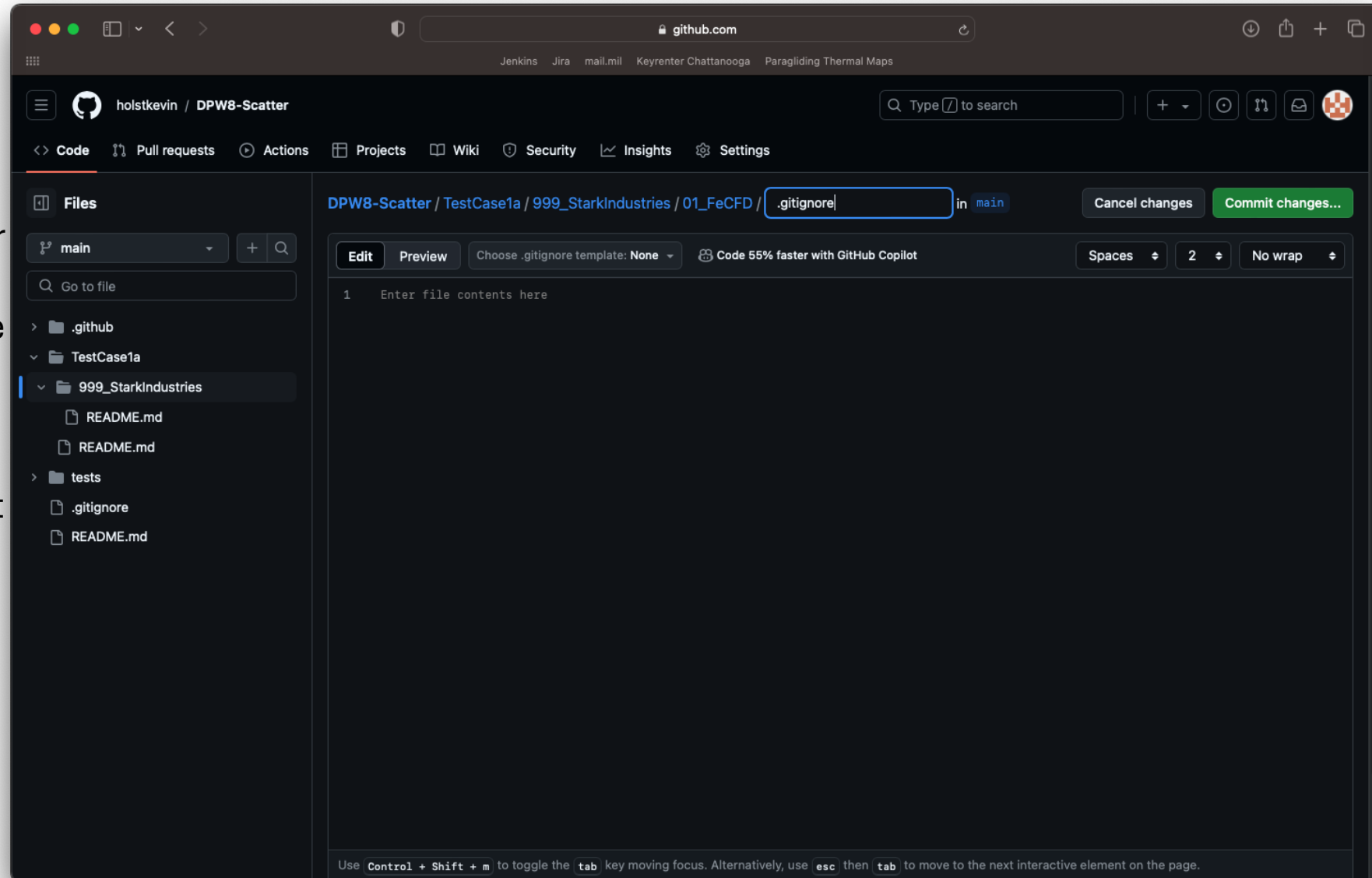
Your fork of DPW8-Scatter

- From your newly created participant folder, we're going to create a new folder for this submission.
- Git tracks files, not folder, so we have to create a new file in order to create the folder.
- Repeat the process from before by clicking **Add file** and **Create a new file**



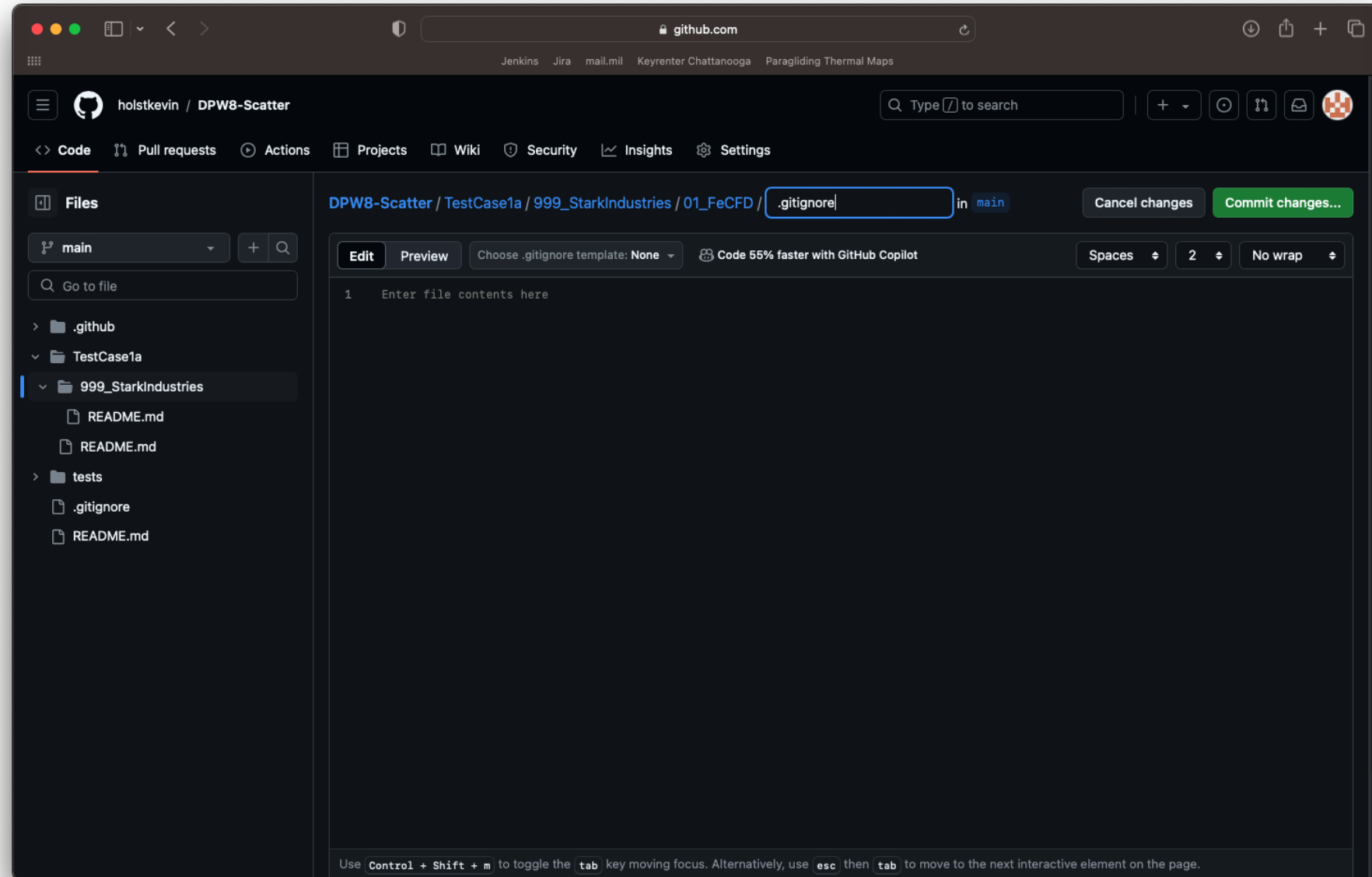
Your fork of DPW8-Scatter

- Repeat the process from before by clicking **Add file** and **Create a new file**
- This time we'll be creating a folder for the submission, which is titled 01_FeCFD, and we're adding a file called .gitignore, which will be ignored automatically by git
- Click **Commit changes...** without adding anything to the file, and commit this file to the main branch like before
- Now you have a folder to place your submission files into



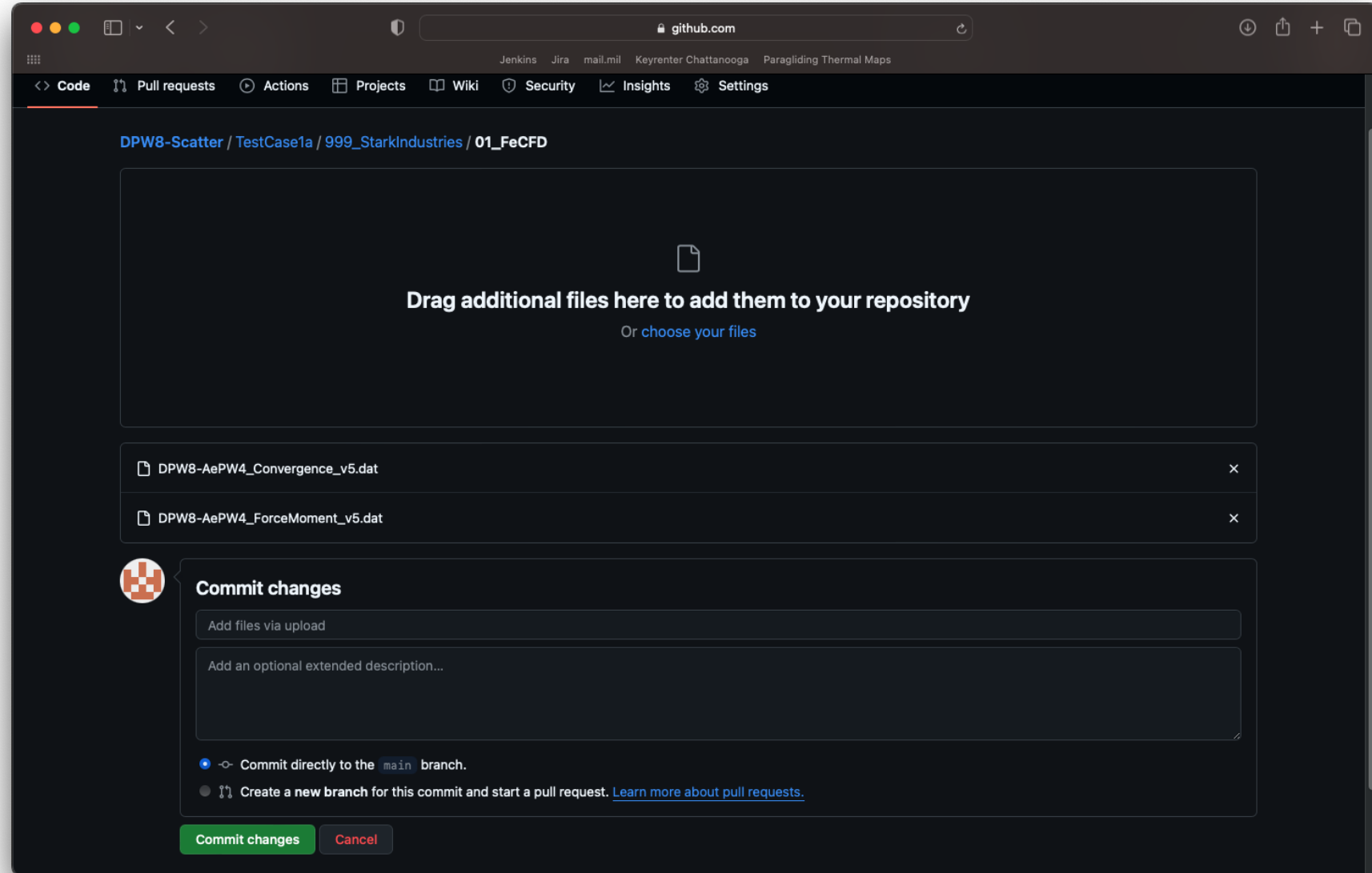
Your fork of DPW8-Scatter

- Navigate to your newly created submission folder, and then click **Add file** again, but this time choose **Upload file**



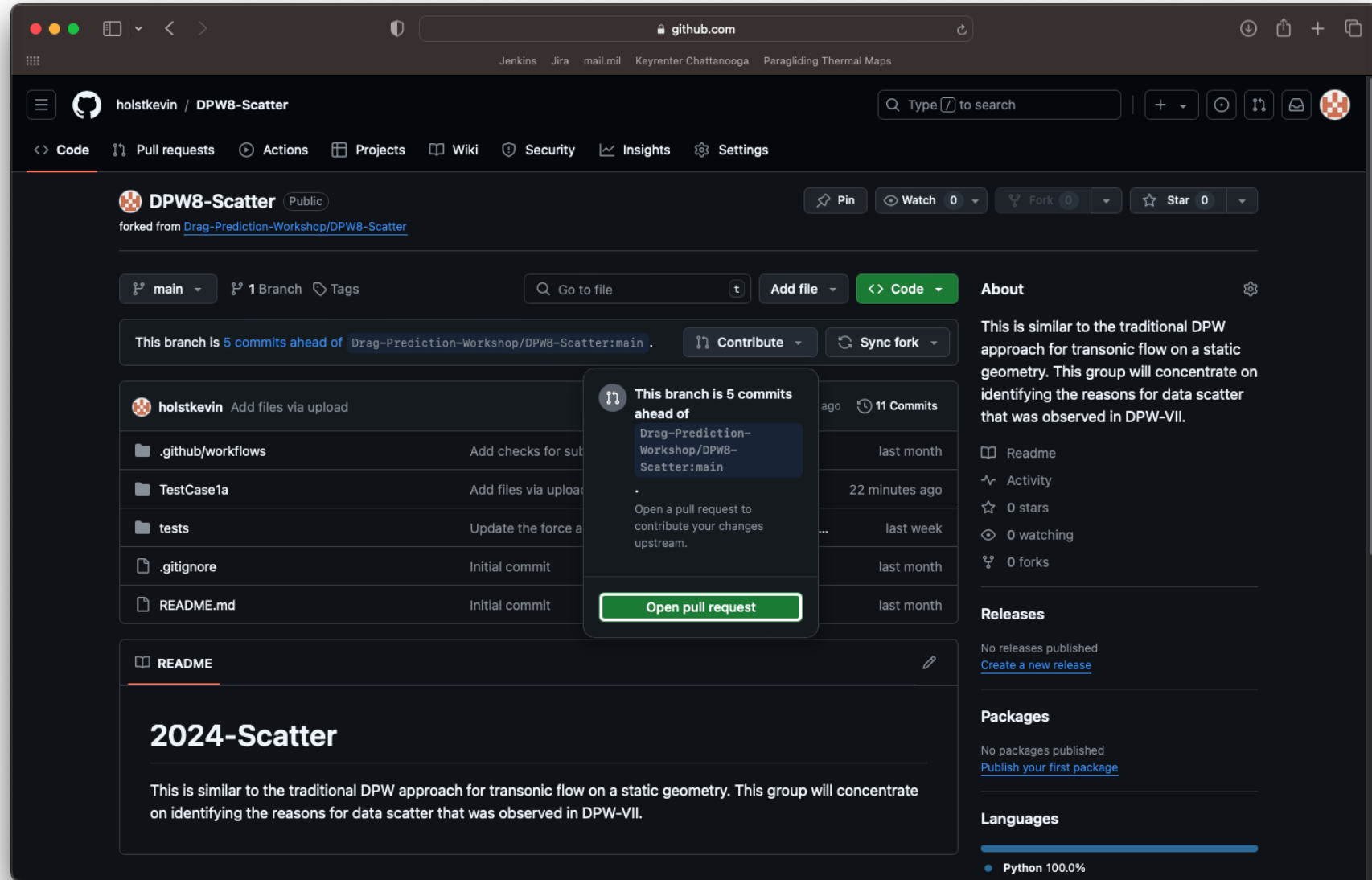
Your fork of DPW8-Scatter

- Navigate to your newly created submission folder, and then click **Add file** again, but this time choose **Upload file**
- Here you can choose files through a file browser window or drag and drop files into this window. I've uploaded two files to the repo here.
- Click **Commit changes** to commit these files directly to your main branch



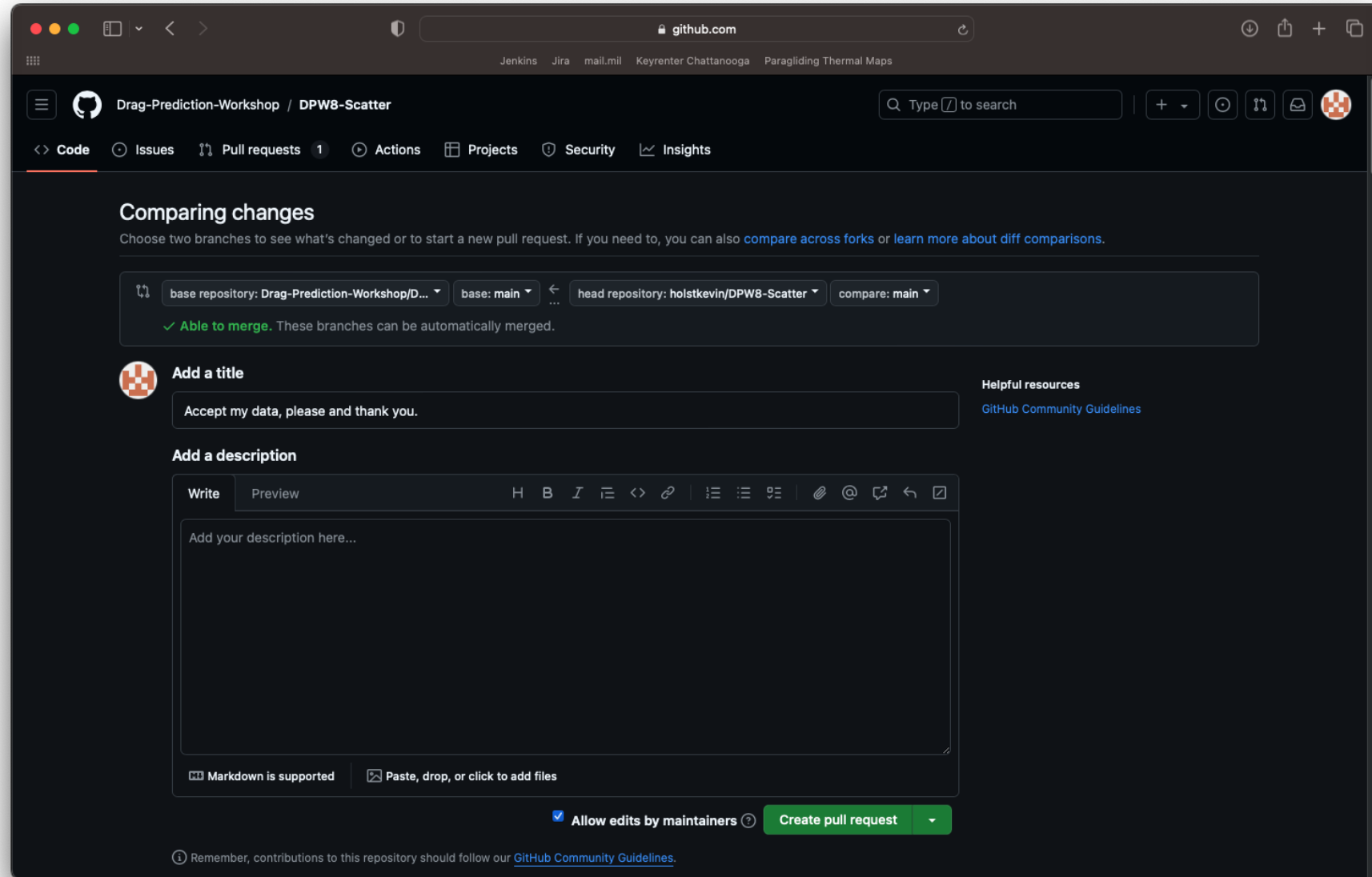
Your fork of DPW8-Scatter

- Your files are now uploaded to your fork of the repository.
- You can add more submissions by repeating the process of creating a submission folder and adding additional files.
- Once all of the files are uploaded to your fork, navigate to the front page of your repo, and click **Contribute** and **Open pull request**



Your fork of DPW8-Scatter

- From here, you'll have to add a title for your pull request, fill in some description, as necessary, and then click **Create pull request**
- This will inform the group leads that your data files are awaiting review



Final thoughts

- This method only relied on the web interface for GitHub. If you're familiar with their command line interface or GitHub application, you absolutely can use those as well.
- Undoubtedly people will run into issues along the way, so please feel free to reach out to the group leads with any questions.
- Also, there is a wealth of information on the Fork and Pull method of contributing to a repository. Here's one tutorial that is slightly more advanced and uses the command line interface:
<https://gist.github.com/Chaser324/ce0505fbbed06b947d962>