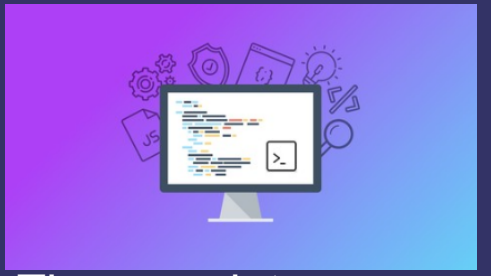
Git and GitHub Guide Part-2 Branching



The complete
Web Developer in 2018

Andrei's
Little feature
branch

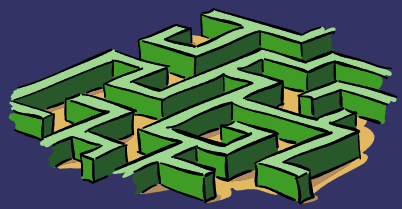
Marcy's
Bonus features branch

Master
branch

Master
Branch
Final product

Mister x features
branch

Don't
Work on master

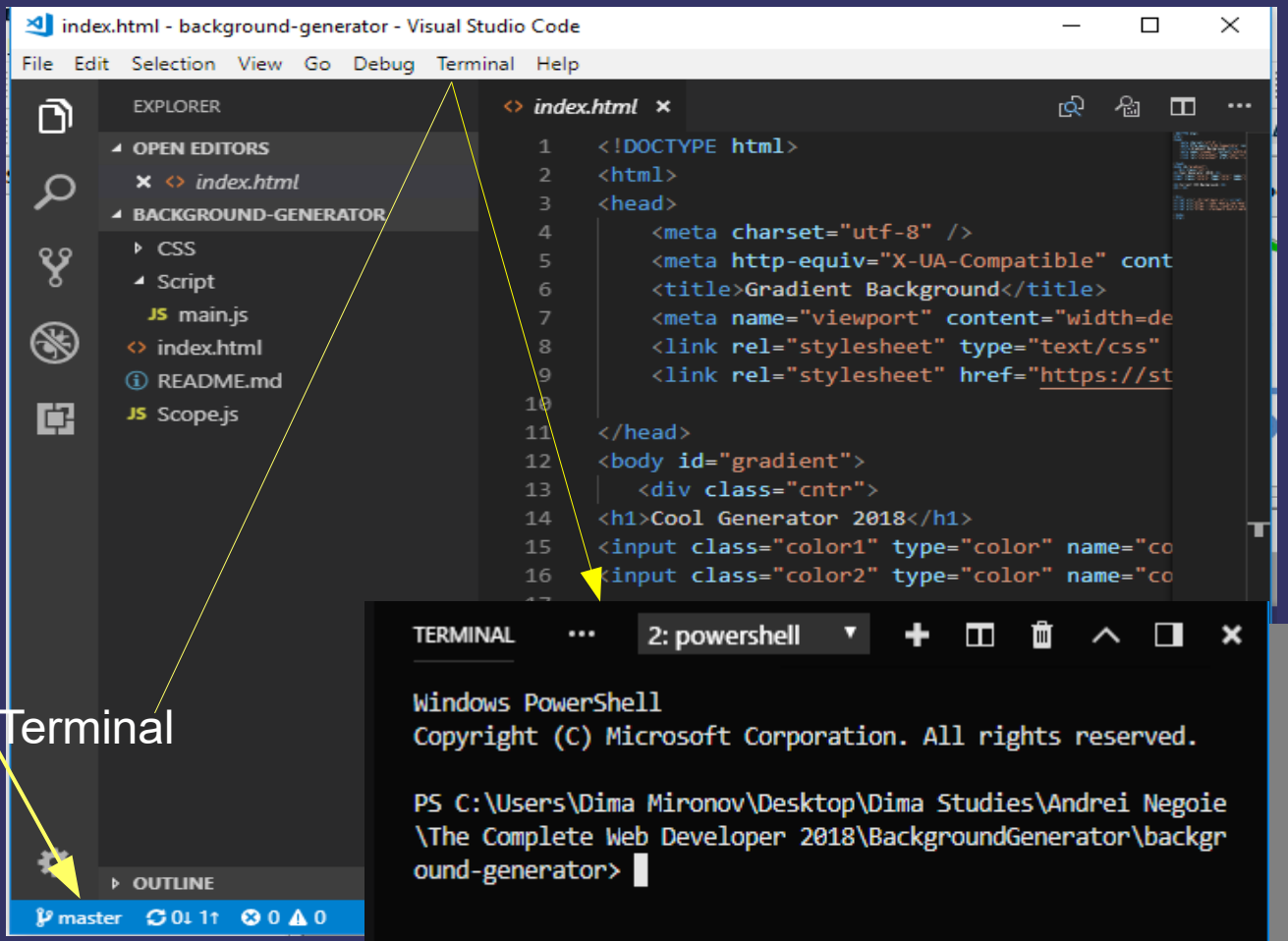


(Win 10)Using Gitbash.exe or Visual Studio Code

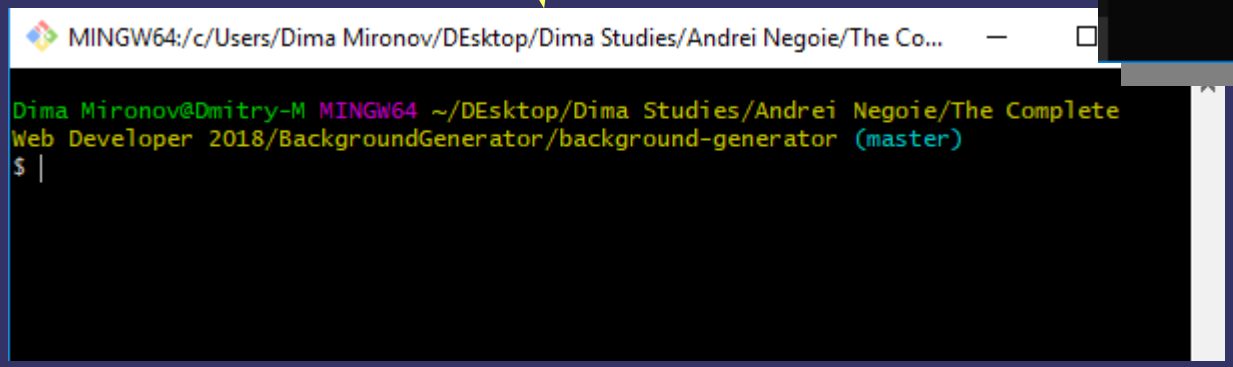
The overall procedure is pretty much the same for both - mac and win

Open Visual Studio Code

If this folder already contains a .git folder you will automatically see the Master branch icon at the left bottom corner



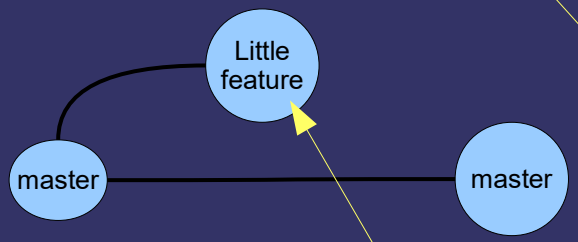
Step 2.
Open Terminal Window/New Terminal
Or use external Terminal



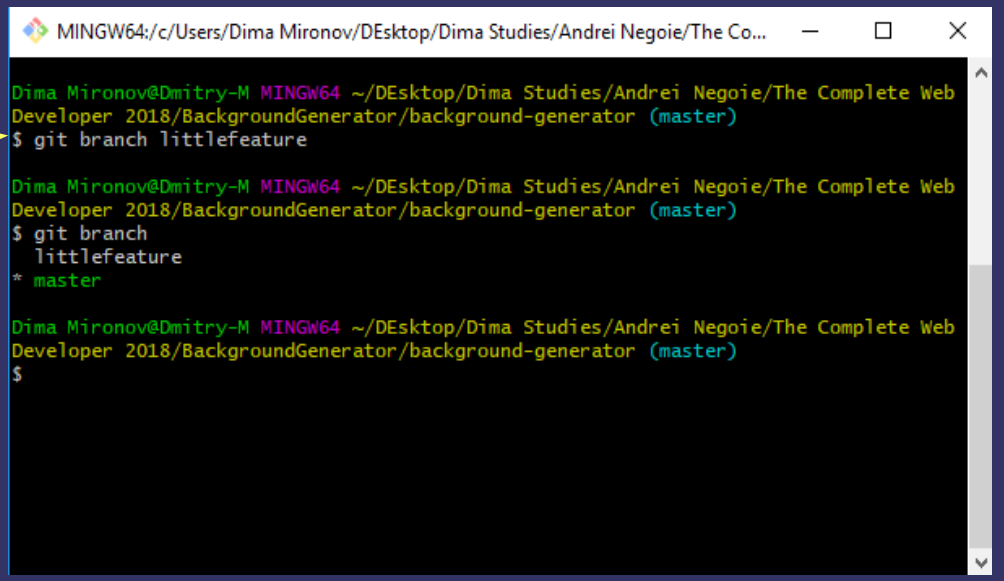
Create a new branch
Using IDE(VSCode) or Terminal

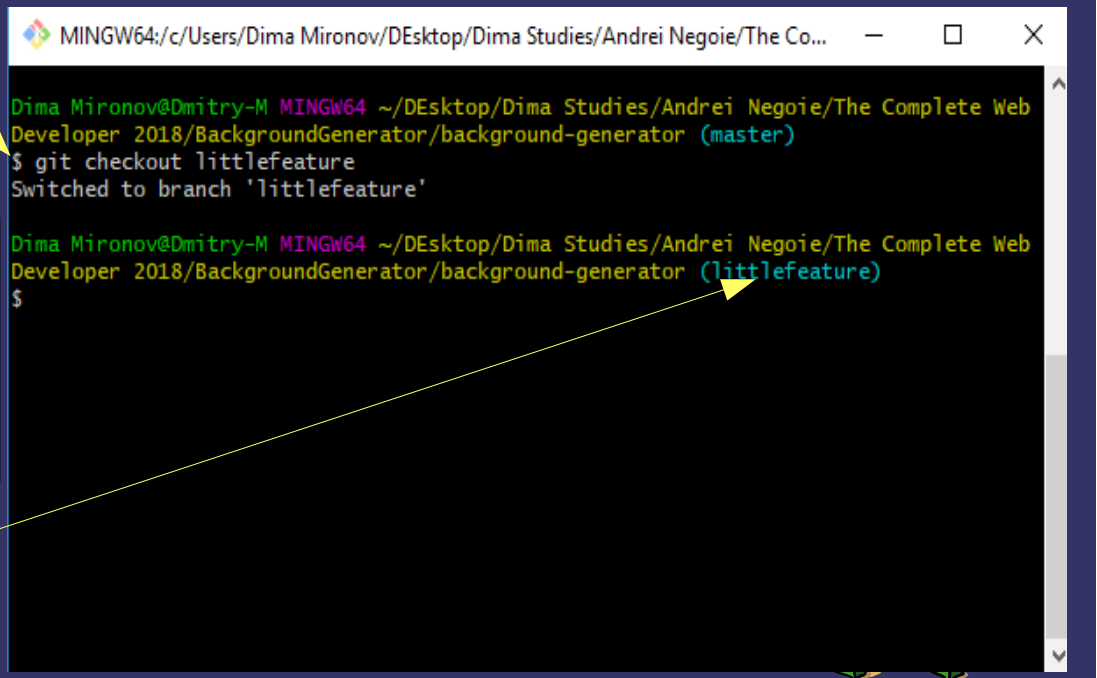
Let's create a new branch (terminal)

1. Type git branch littlefeature (this will create a new branch)
2. Type git branch (will display all branches available)
3. Type git checkout littlefeature (Switch to a new branch)



* master means we currently on master branch.





Note:

If something went wrong and you need to delete the branch, type git branch -d littlefeature
The above command will delete the mistaken branch

4. We successfully switched to a new branch

Let's modify index.html now

1. Open index html (use IDE or terminal) Type: start code index.html

2. Locate the <h2> tag and change the title to
<h2>This is thebackground</h2>

3. Save all, then do the following procedure...

4. git add index.html

5. git commit -m“changing title“

6. git push

If it doesn't work and you get an error

fatal: The current branch littlefeature has no upstream branch
To push the current branch and set the remote as upstream,
use git push --set-upstream origin littlefeature

Fix....
Type git push origin littlefeature

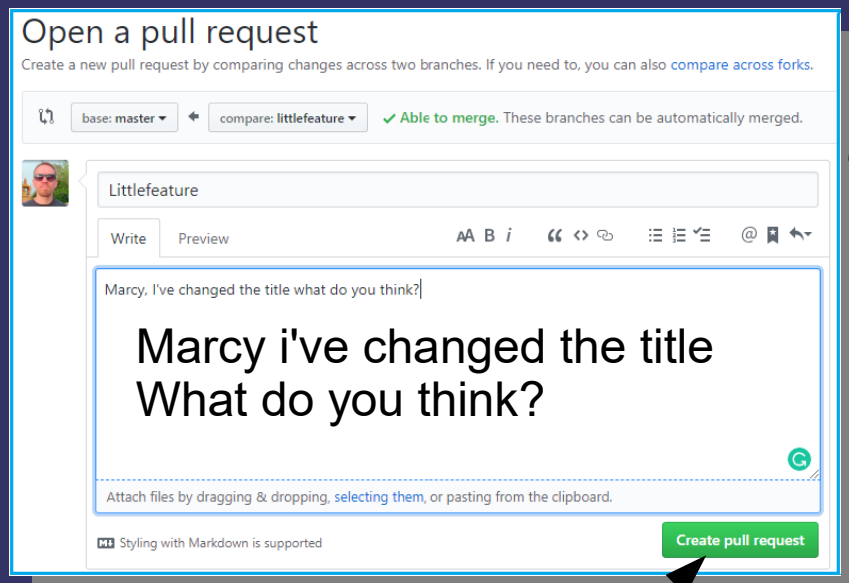
```
12   <body id="gradient">
13     <div class="cntr">
14   <h1>Cool Generator 2018</h1>
15   <input class="color1" type="color" name="color1" value="#00f
16   <input class="color2" type="color" name="color2" value="#ff0
17
18   <h2>This is the background</h2>
19   <h3></h3>
20
21
```

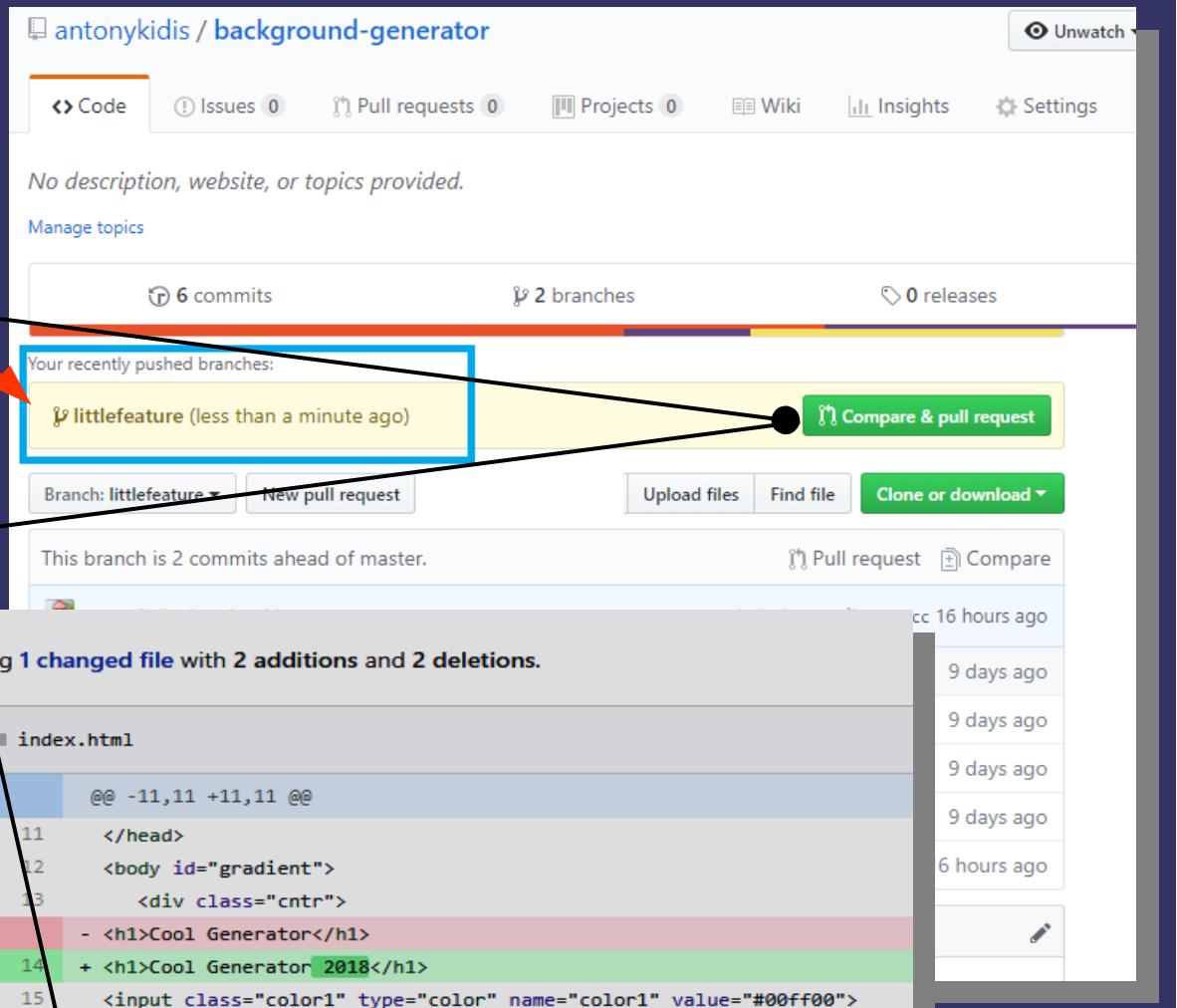
```
Dima Mironov@Dmitry-M MINGW64 ~/Desktop/Dima Studies/Andrei Negoie/The Complete
Web Developer 2018/BackgroundGenerator/background-generator (littlefeature)
$ git push
fatal: The current branch littlefeature has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin littlefeature


Dima Mironov@Dmitry-M MINGW64 ~/Desktop/Dima Studies/Andrei Negoie/The Complete
Web Developer 2018/BackgroundGenerator/background-generator (littlefeature)
$ git push origin littlefeature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 302 bytes | 302.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
```

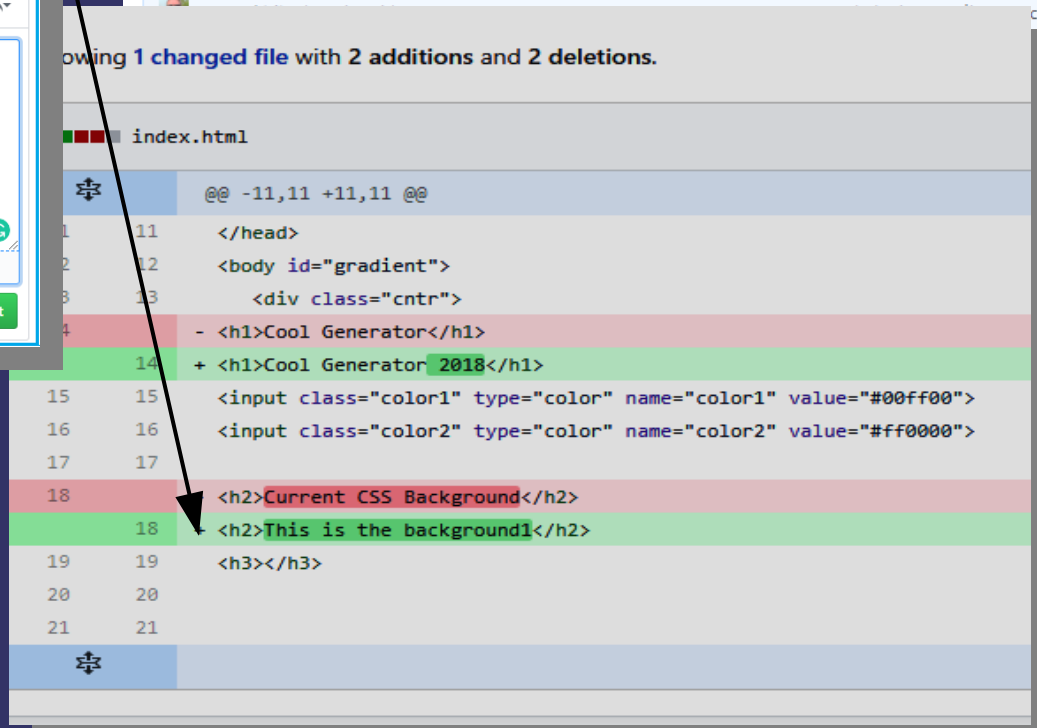
Go Back to https://github.com

1. We now see a yellow notification
   You recently pushed branches

2. If we click the green button
   Compare & pull request
   It will expose the changes we have made

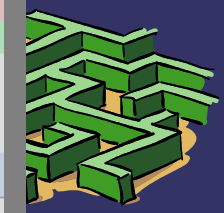






3. Click Create pull request button

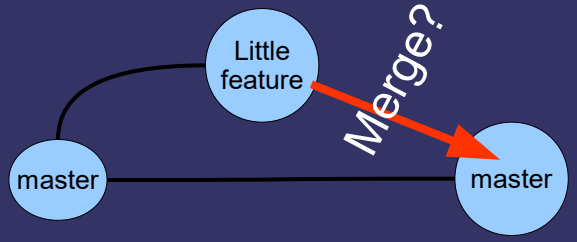
Note:
We've made a change to index.html
Marcy will decide aprove it or not.



We successfully created a pull request (PR)

As you can see antonykidis(Marcy) wants to merge 3 commits into **master** from **littlefeature**

Hey Marcy I did a little Change on little feature, is it okay for me to Merge it to master?



Let's see what Marcy will probably do..

Littlefeature #1

Open **antonykidis** wants to merge 3 commits into `master` from `littlefeature`

Conversation 0 | Commits 3 | Checks 0 | Files changed 1

antonykidis commented 4 minutes ago — Owner

Marcy, I've changed the title what do you think?

antonykidis added some commits 19 hours ago

`update the title` 122ade7
`changing title` ef61fcc
`changing title to background1` 52de4ef

1 commit
2 commit
3 commit

Add more commits by pushing to the **`littlefeature`** branch on **antonykidis/background-generator**.

Continuous integration has not been set up
Several apps are available to automatically catch bugs and enforce style.

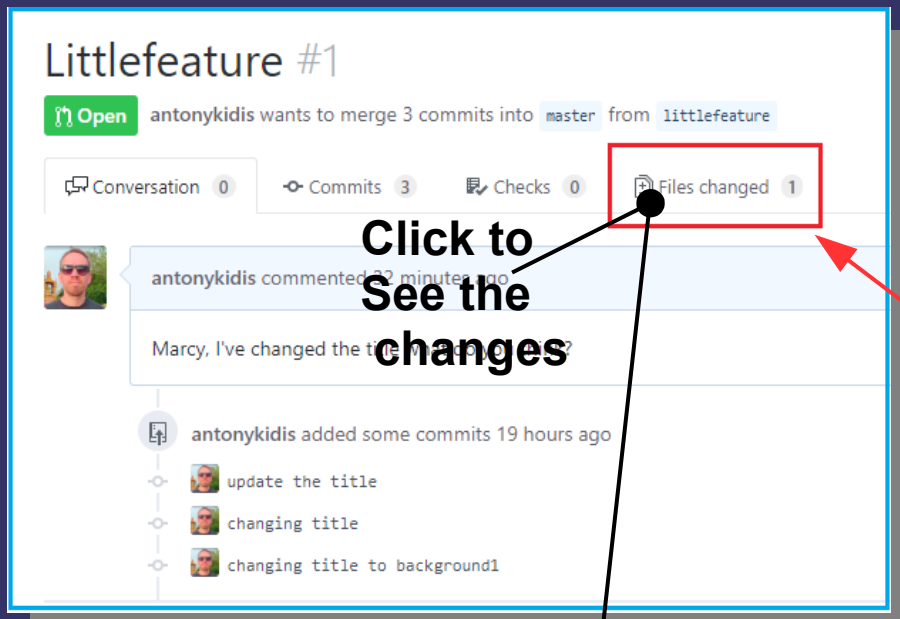
This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request — You can also open this in GitHub Desktop or view command line instructions.

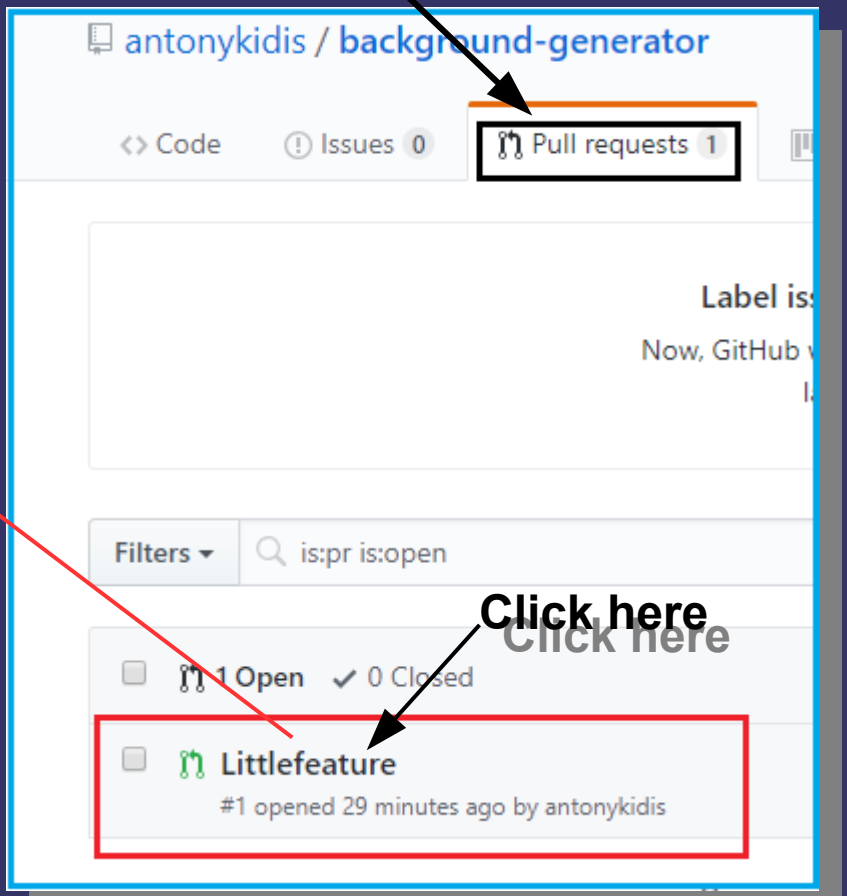
Write | Preview

Leave a comment

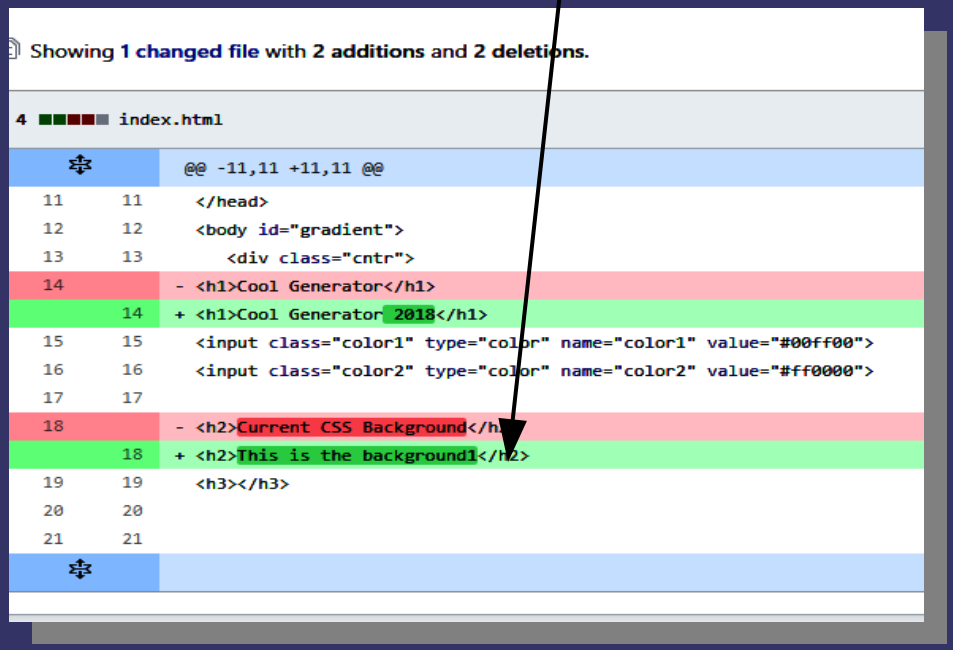
Marcy will Open-up a pull request link

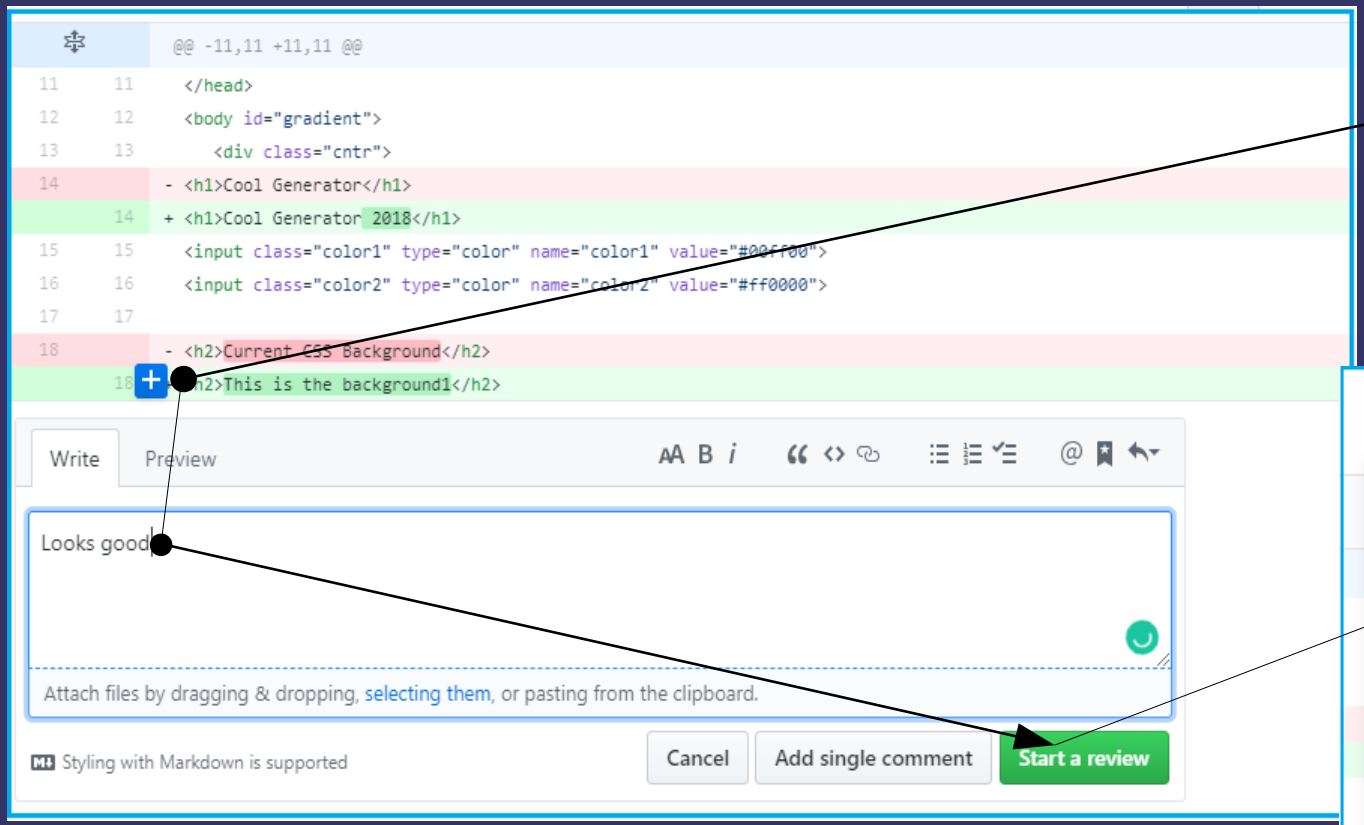


Click to See the changes

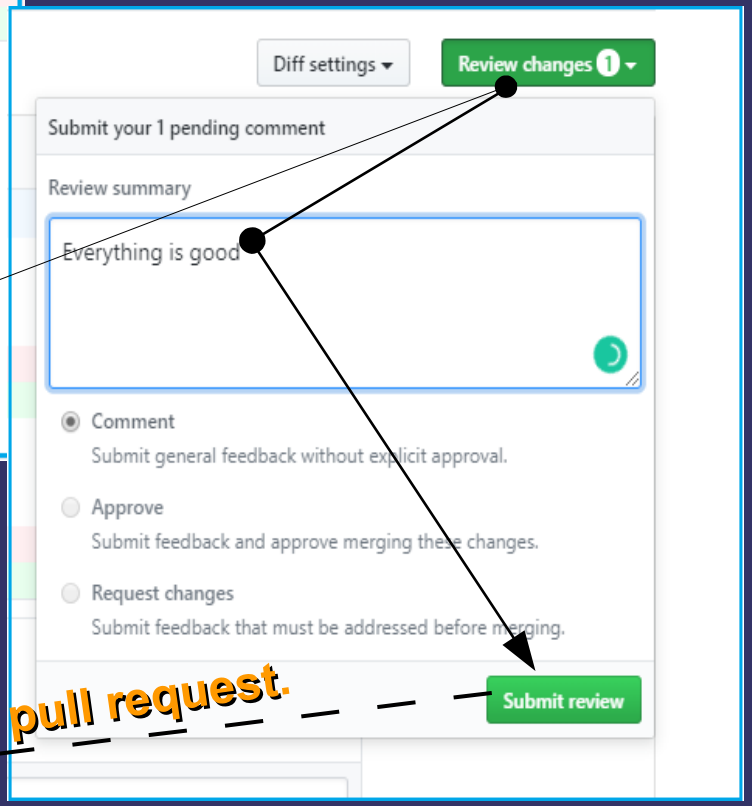


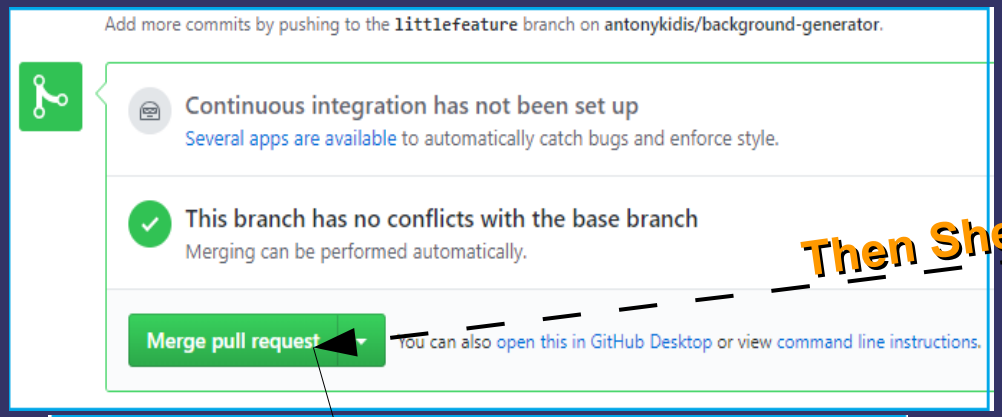
Click here



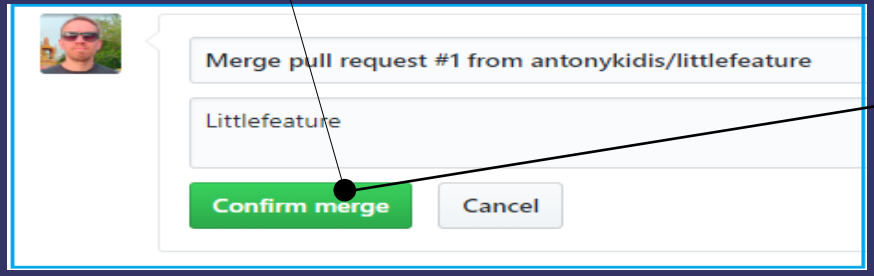
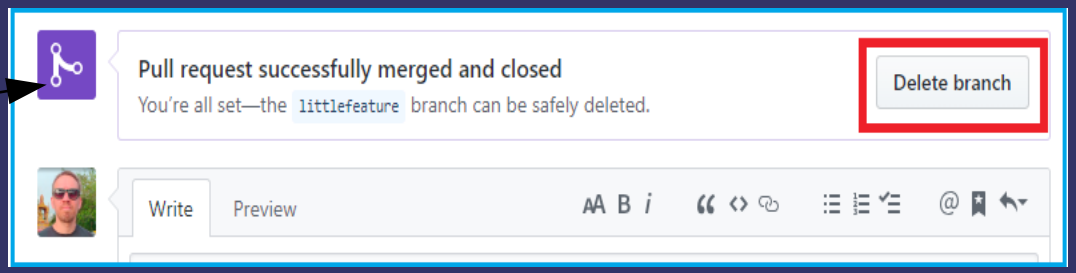


Hey everything Looks good!
(Click a plus sign)
Strat a review, add some comments, and then submit the review





Then She will merge a pull request.



Pull request is now merged into the master.
Marcy can now delete our branch if she want.