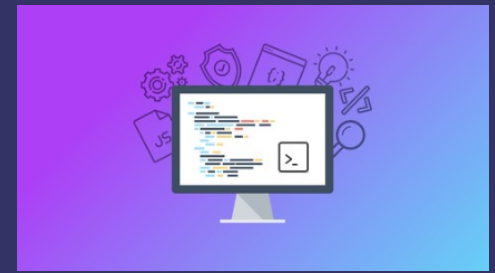
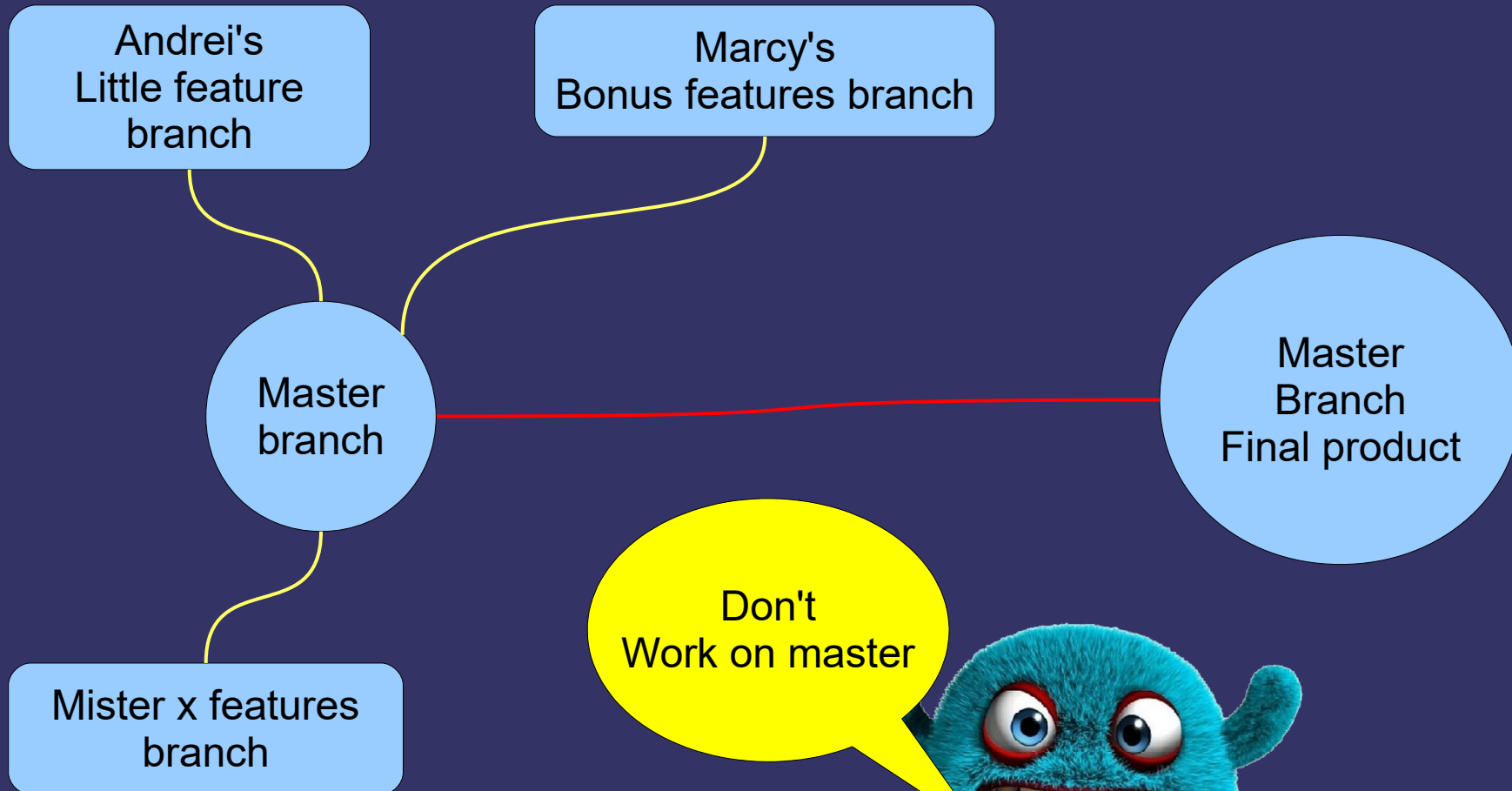


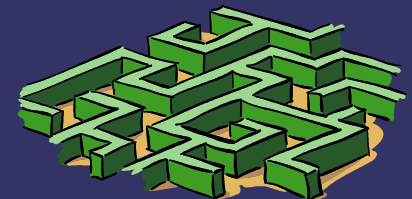
Git and GitHub Guide Part-2 Branching



The complete
Web Developer in 2018



Don't
Work on master



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

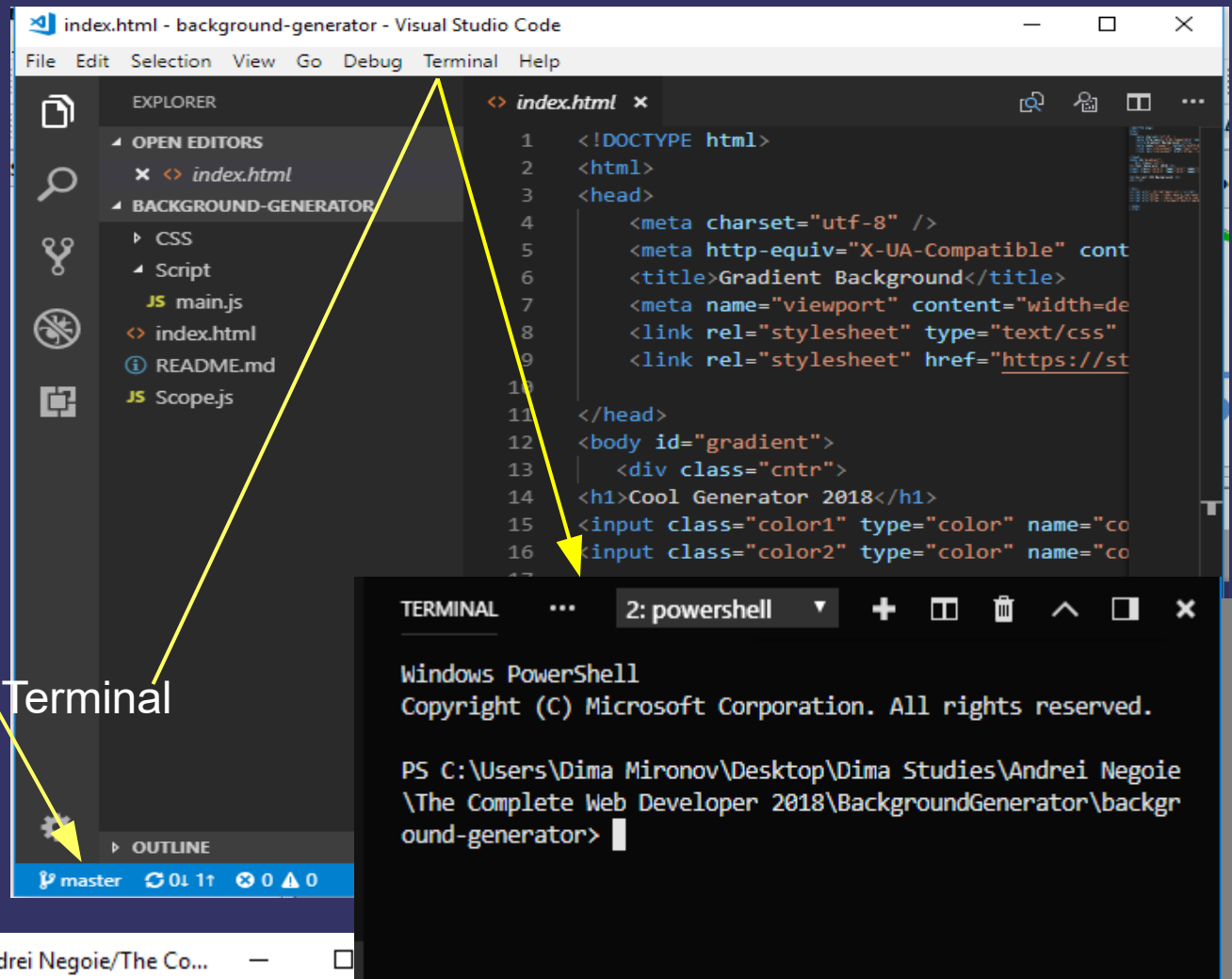
The overall procedure is pretty much the same for both - mac and win



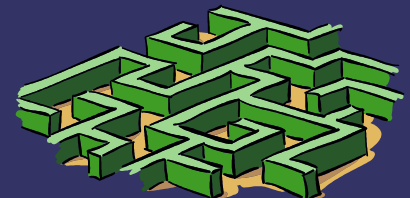
Open Visual Studio Code

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



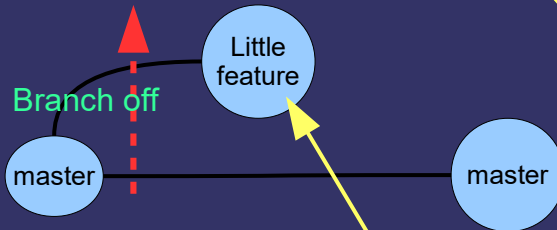
```
MINGW64:/c/Users/Dima Mironov/DEsktop/Dima Studies/Andrei Negoie/The Co...  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete  
Web Developer 2018/BackgroundGenerator/background-generator (master)  
$ |
```



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

```
MINGW64:/c/Users/Dima Mironov/DEsktop/Dima Studies/Andrei Negoie/The Co...  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete Web  
Developer 2018/BackgroundGenerator/background-generator (master)  
$ git branch littlefeature  
  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete Web  
Developer 2018/BackgroundGenerator/background-generator (master)  
$ git branch  
  littlefeature  
* master  
  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete Web  
Developer 2018/BackgroundGenerator/background-generator (master)  
$
```

```
MINGW64:/c/Users/Dima Mironov/DEsktop/Dima Studies/Andrei Negoie/The Co...  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete Web  
Developer 2018/BackgroundGenerator/background-generator (master)  
$ git checkout littlefeature  
Switched to branch 'littlefeature'  
  
Dima Mironov@Dmitry-M MINGW64 ~/DEsktop/Dima Studies/Andrei Negoie/The Complete Web  
Developer 2018/BackgroundGenerator/background-generator (littlefeature)  
$
```

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 the background</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="#ff6
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 open the a pull request window

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ← compare: littlefeature ✓ Able to merge. These branches can be automatically merged.



Littlefeature

Write Preview

AA B i “ < > @ @ @

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

Marcy i've changed the title
What do you think?

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Create pull request

3. Enter a message, check the changes
And finally click the create pull request
button

Note:

We've made a change to index.html!
Marcy will decide approve it or not.



antonykidis / background-generator

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided.

Manage topics

6 commits 2 branches 0 releases

Your recently pushed branches:

littlefeature (less than a minute ago)

Compare & pull request

Branch: littlefeature New pull request

Upload files Find file Clone or download

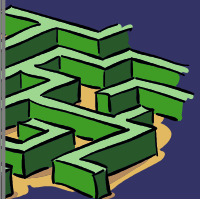
This branch is 2 commits ahead of master.

Pull request Compare

Showing 1 changed file with 2 additions and 2 deletions.

index.html

```
@@ -11,11 +11,11 @@
11 </head>
12 <body id="gradient">
13   <div class="cntr">
14 - <h1>Cool Generator</h1>
14 + <h1>Cool Generator 2018</h1>
15   <input class="color1" type="color" name="color1" value="#00ff00">
16   <input class="color2" type="color" name="color2" value="#ff0000">
17
18 - <h2>Current CSS Background</h2>
18 + <h2>This is the background1</h2>
19   <h3></h3>
20
21
```



Okay now STOP!

Do you really understand what is going on here!?


No...

Yes or Yes!?



Hey marcy I made a pull request
Do something about it



 Compare & pull request

Hey Marcy I made a pull request. Please look at my html file,
compare new changes to the previous one.

And if they good enough please **pull them, and merge them** into the master branch.

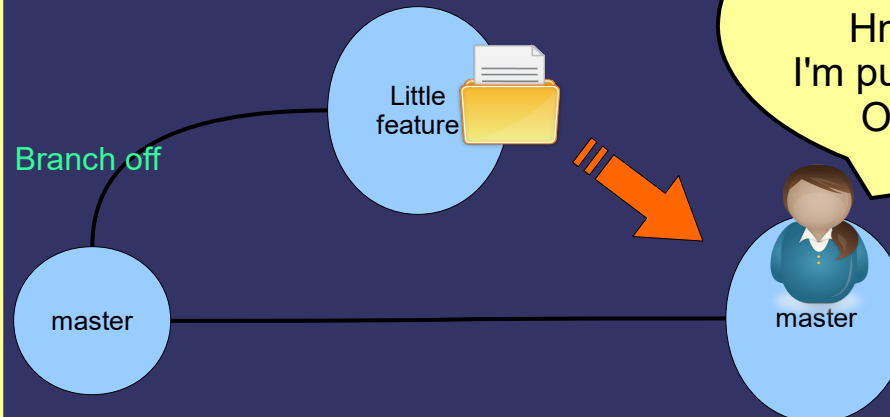
Marcy is an administrator and she will open your pushed files on a littlefeature branch.
She will compare them to the previous one, and decide whether to prove these changes or not

Important

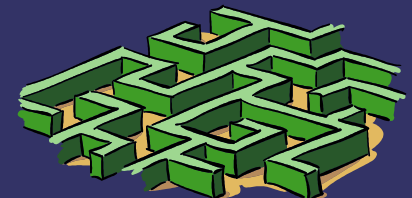
At this point you as a developer
Just need to wait for Marcy's approval.
That's it.
Don't be confused by the rest of the
diagrams.

Let's see How Marcy handle my
request on her side as Administrator.

With this information in mind let's
Proceed to the next step.



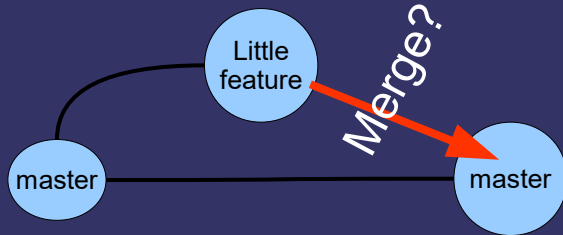
Hi Andrei!
Let's compare your changes
Hmm..okay looks good!
I'm pulling this into the master
Okay it's merged now!



We successfully created a pull request (PR)

As you can see antonykidis(Andrei) 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

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

Conversation 0 Commits 3 Checks 0 Files changed 1

antonykidis commented 4 minutes ago

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

Littlefeature #1

[Open](#) antonykidis wants to merge 3 commits into master from littlefeature

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

Click

antonykidis commented 32 minutes ago

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

antonykidis added some commits 19 hours ago

- update the title
- changing title
- changing title to background1

Showing 1 changed file with 2 additions and 2 deletions.

4 index.html

```
@@ -11,11 +11,11 @@
</head>
<body id="gradient">
  <div class="cntr">
    <h1>Cool Generator</h1>
    <h1>Cool Generator 2018</h1>
    <input class="color1" type="color" name="color1" value="#00ff00">
    <input class="color2" type="color" name="color2" value="#ff0000">
  </div>
  - <h2>Current CSS Background</h2>
  + <h2>This is the background1</h2>
  <h3></h3>
```

Hover on plus sign

antonykidis / background-generator

[Code](#) [Issues 0](#) **[Pull requests 1](#)**

Label is: Now, GitHub v

Filters

☐ 1 Open ☒ 0 Closed

Click

☐ **Littlefeature**
#1 opened 29 minutes ago by antonykidis



@@ -11,11 +11,11 @@

```

11 11 </head>
12 12 <body id="gradient">
13 13 <div class="cntr">
14 14 - <h1>Cool Generator</h1>
15 15 + <h1>Cool Generator 2018</h1>
16 16 <input class="color1" type="color" name="color1" value="#00ff00">
17 17 <input class="color2" type="color" name="color2" value="#ff0000">
18 18 - <h2>Current CSS Background</h2>
19 19 + <h2>This is the background1</h2>

```

Write Preview

Looks good

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Cancel Add single comment Submit review


Hey everything Looks good!



(Click a plus sign)


- 1.Strat a review, add some comments, submit the Review.
2. Click Review changes, add a comment, and Finally click Submit review
3. Click Merge pull request, then confirm merge.

The screenshot shows the GitHub pull request review interface. At the top, there are two buttons: "Diff settings" with a dropdown arrow and "Review changes 1" with a dropdown arrow. Below these is a section titled "Submit your 1 pending comment". Underneath is a "Review summary" section containing a text box with the text "Everything is good". To the right of the text box is a green circular icon with a white checkmark. Below the text box is a list of three options: "Comment" (selected with a radio button), "Approve", and "Request changes". Each option has a description: "Submit general feedback without explicit approval.", "Submit feedback and approve merging these changes.", and "Submit feedback that must be addressed before merging." respectively. At the bottom right is a green button labeled "Submit review". A red arrow points to the "Submit review" button. A yellow box with the text "pull request." is overlaid on the bottom left. Three black arrows originate from a single point at the top right and point to the "Review changes 1" button, the text box, and the "Submit review" button.

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.

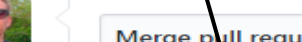
Merge pull request 

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Then Sh

Then She will merge a pull request.

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



A screenshot of a GitHub pull request merge confirmation dialog. The dialog is titled "Merge pull request #1 from antonykidis/littlefeature". Below the title, the text "Littlefeature" is displayed. At the bottom of the dialog, there are two buttons: a green "Confirm merge" button and a grey "Cancel" button. A black arrow points from the "Confirm merge" button to the "Confirm merge" button in the previous screenshot.

A screenshot of a GitHub pull request notification. The notification is a light purple box with a darker purple header. On the left is a purple square icon with a white branching diagram. To its right, the text reads "Pull request successfully merged and closed" in bold, followed by "You're all set—the littlefeature branch can be safely deleted." in a lighter font. On the right side of the notification is a button labeled "Delete branch". A red rectangular box highlights this button. A black arrow points from the left edge of the image to the purple icon.