

Hello, my dear student of Zero To Mastery 2018. Before you start reading the guide, please remember the following statement:

One GitHub Repository = One cloned repo!

Do not work on the same cloned repo

from **two** different paths on your local PC



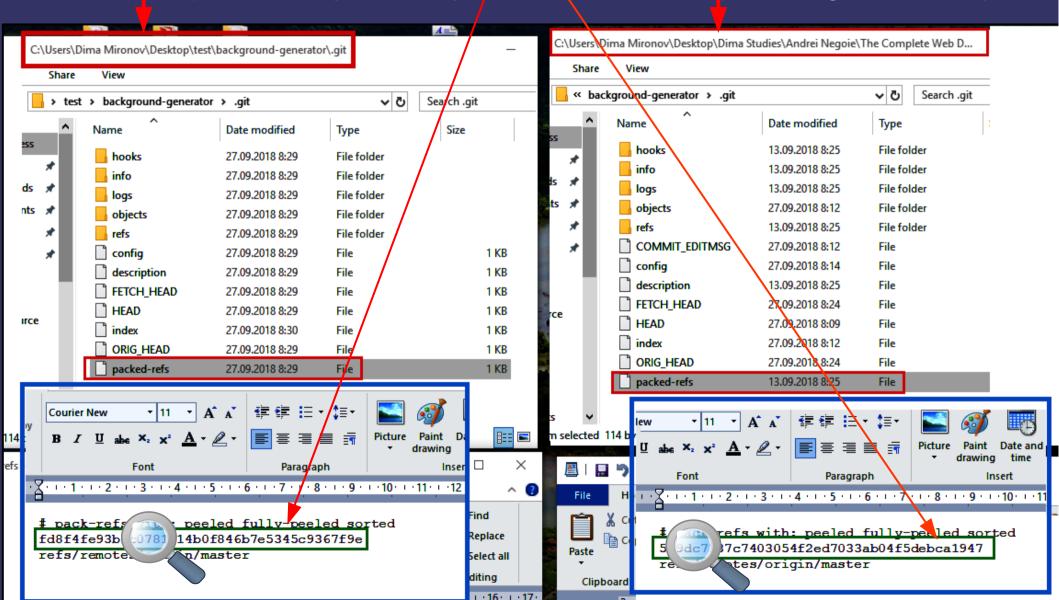
#### Remember this, or It might cause unexpected results...



The very same cloned repo in different places on your PC will have different package references id's after you manipulate the original repo!

Second path =Desktop cloned repo

First path = Original cloned repo







SO

One GitHub Repository will contain only one cloned version of that repoon on your local PC!

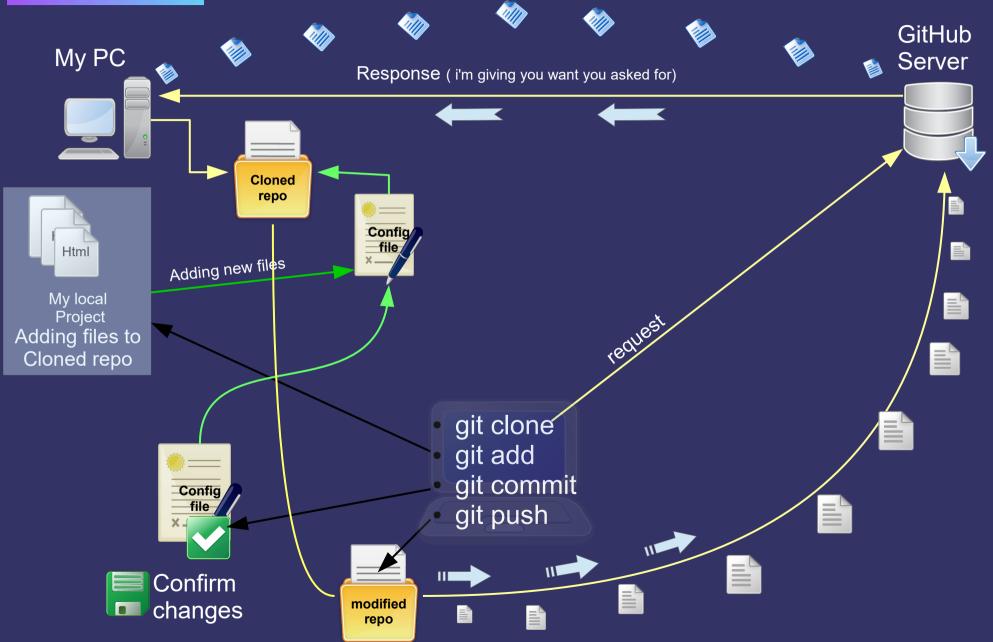
Don't make multiple clones of this repo on local machine.

Okay?





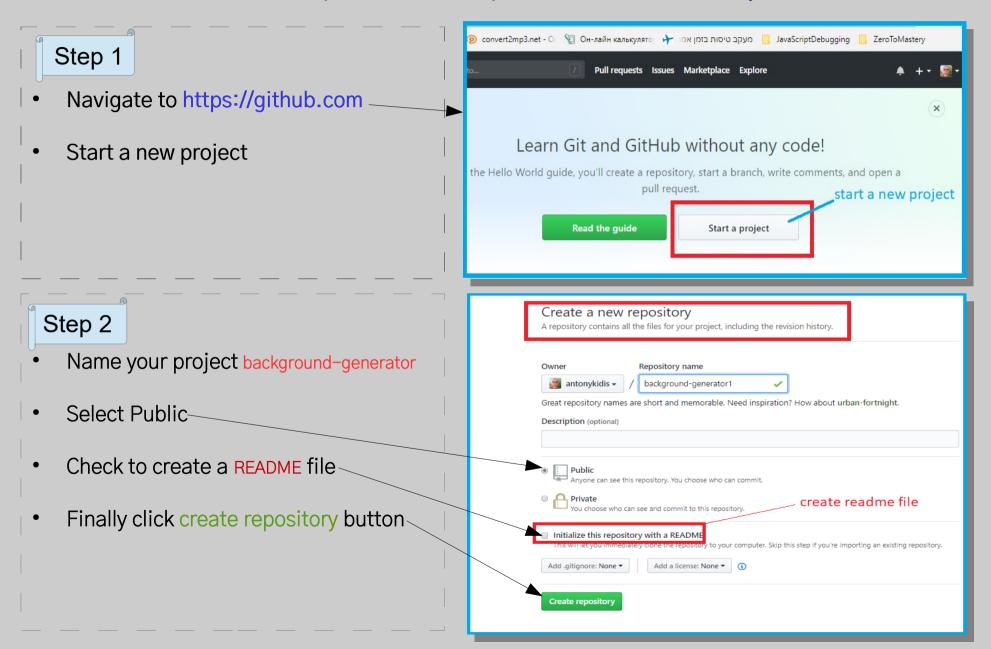
# Road Map The general idea and the flow chart behind this guide



# Git and GitHub Source Control

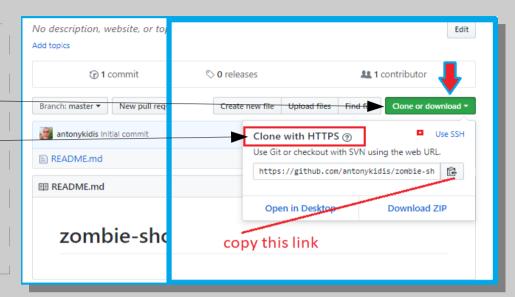
Part1 (Working on a new repository)

The Complete Web Developer in 2018: Zero to Mastery



# Step 3

- Click Clone or download button
- Select use HTTPS
- Copy the URL to a clipboard by clicking the Little icon



# Step 4

- Open terminal(bash, or powershell) or other prefered terminal.
- Navigate to a project you currently work on.
- Enter the following commad:
   git clone https://github.com/antonykidis/background-generator.git

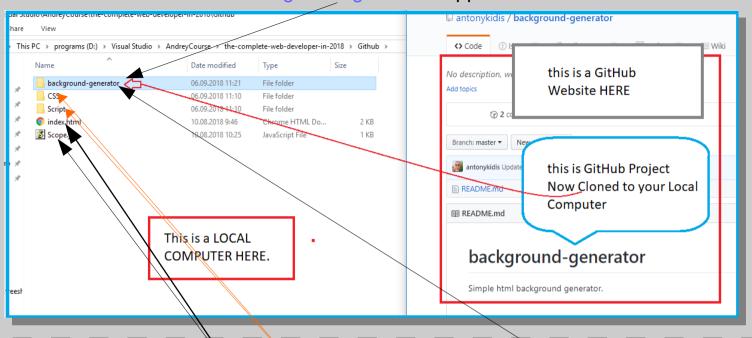
This will clone GitHub's repository to your computer.

Here is the following output
 Unpacking objects 100% (6/6) done.
 The background-generator cloned now to your computer

```
MINGW64:/d/Visual Studio/AndreyCourse/the-complete-web-developer-in...
                    MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-d
cd Github
 ma Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-dev
    index.html Scope.js Script/
 na Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-de
 git clone https://github.com/antonykidis/background-generator.git
loning into 'background-generator'...
emote: Counting objects: 6, done.
mote: Compressing objects: 100% (3/3), done.
mote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
npacking objects: 100% (6/6), done.
ma Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-dev
 oper-in-2018/Github
ackground-generator/ CSS/ index.html Scope.js Script/
 ma_Mironov@Dmitry-M_MINGW64_/d/Visual_Studio/AndreyCourse/the-complete-web
```

#### We've just copied our repo to a local computer.

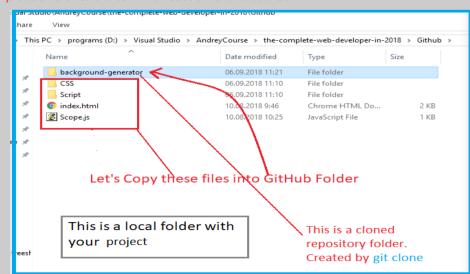
You can see the background-generator appeared in the left window



### Step 5

Next Step is to take all of our local project's files and folders, and copy them into the background-generator repository folder. You can copy these files using the IDE, or a command line (terminal)

To copy files and folders via command line please refer to the terminal section of the course



Illustration

#### Step 6

 Back to a terminal window and cd (navigate) to a newly created cloned directory named background-generator Example:

cd background-generator

- 2. Then type Is (dir in windows) to list the contents of a background-generator folder.
- 3. You should see the similar output with all the copied files from the previous step.

(master) means that we now working in the repository folder

```
Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-completoper-in-2018/Github/background-generator (master)

1s

CSS/ index.html README.md Scope.js Script/

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-completoper-in-2018/Github/background-generator (master)

This folder wil contain the project files plus the readme file
```

# Step 7

- We now can check the status of our files since we've copied our files into the repository folder(comunication folder)
- While in terminal type git status
- This will invoke the following output

You can see that we have untracked files and folders We can now add these files to a GitHub **Configuration file** before upload it back to GitHub

```
MINGW64:/d/Visual Studio/AndreyCourse/the-complete-web-developer-in...

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)

$ 1s

CSS/ index.html README.md Scope.js Script/

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)

$ git status

On branch master

Your branch is up to date with 'origin/master'.

Intracked files:

(use "git add <file>..." to include in what will be committed)

CSS/

Scope.js

Script/
index.html

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

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)

$ | V
```



Configuration file. We will explore it in the following sections.

# Adding files and folders to configuration file

#### Step 8

Let's Add utracked files to a special Configuration file

Type the following commands:

- git add CSS (folder)
- git add Script(folder)
- git add Scope.js(file)
- git add index.html (file)-

To add all files and folders at once type git add .

# Step 9

- After adding each file, and folder
- 1. Type git status
- 2. You should see the following output
- 3. Okay we've just set the configuration file. Great!
- 4. Next step is to commit these files into the configuration file.

```
MINGW64:/d/Visual Studio/AndreyCourse/the-complete-web-developer-in... 

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)
$ 1s

CSS/ index.html README.md Scope.js Script/

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)
$ git status

Dn branch master
Your branch is up to date with 'origin/master'.

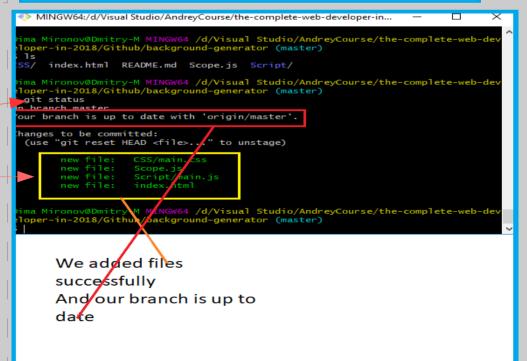
Intracked files:

(use "git add <file>..." to include in what will be committed)

CSS/
Scope.js
Script/
Index.html

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

Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)
$ |
```



# Commit the changes we've made in previous steps

# Step 10

- Let's commit previously added files and folders.
- Enter the following command
- git commit -m "adding starting project"

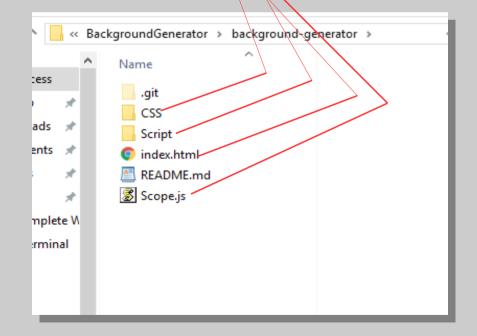
Commit means **Save all** the changes to config.file before pushing it back to the GitHub server

# We've just set up the configuration file

 The last step is to push these changes back to the GitHubServer. But let's explore the configuration file first.

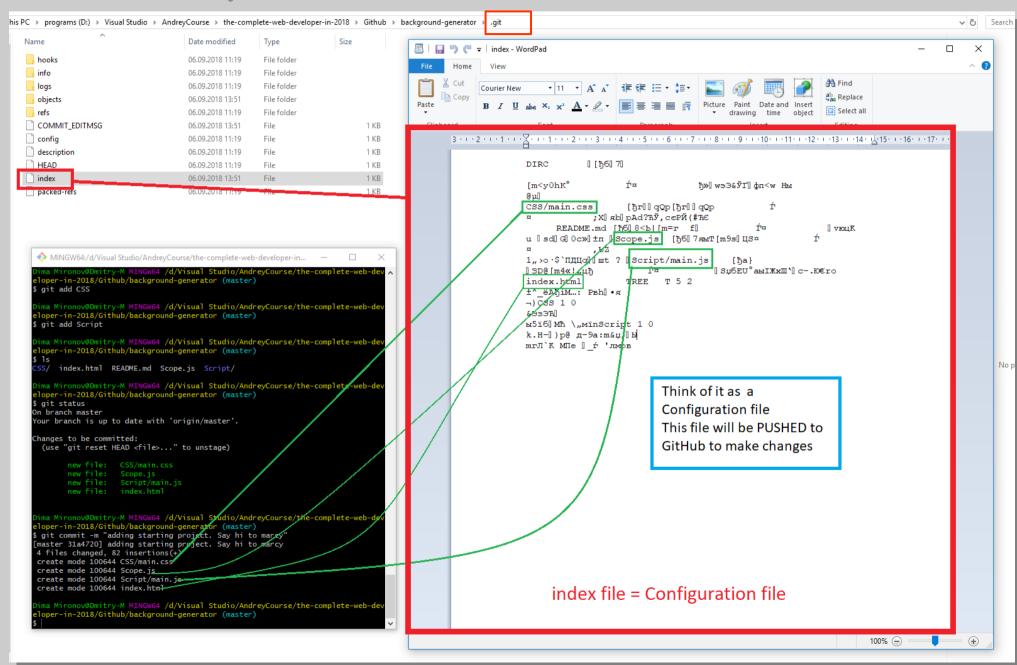
```
ima Mironov@Dmitry-M MINGw64 /d/Visual Studio/AndreyCourse/the-complete-web-dev loper-in-2018/Github/background-generator (master)
git commit -m "adding starting project. Say hi to marcy"
master 31a4720] adding starting project. Say hi to marcy
4 files changed, 82 insertions(+)
create mode 100644 CSS/main.css
create mode 100644 Scope.js
create mode 100644 Script/main.js
create mode 100644 Script/main.js
create mode 100644 index.html

ima Mironov@Dmitry-M MINGw64 /d/Visual Studio/AndreyCourse/the-complete-web-dev
loper-in-2018/Github/background-generator (master)
```





# Explore the configuration file



# Push changes to GitHub

# Step 11

- Finally Push the changes to the server
- Use the following command
- git push
- This will get you to the following output
- We've succesfully wrote objects to http://github.com...

# Step 12

Go back to https://github.com and check What you've done so far (Test pushed files on GitHub)

```
Dima Mironov@Dmitry-M MINGW64 /d/Visual Studio/AndreyCourse/the-complete-web-developer-in-2018/Github/background-generator (master)

§ git push

=numerating objects: 9, done.

Counting objects: 100% (9/9), done.

Delta compression using up to 12 threads.

Compressing objects: 100% (5/5), done.

Writing objects: 100% (8/8), 1.77 KiB | 1.77 MiB/s, done.

Total 8 (delta 0), reused 0 (delta 0)

To https://github.com/antonykidis/background-generator.git

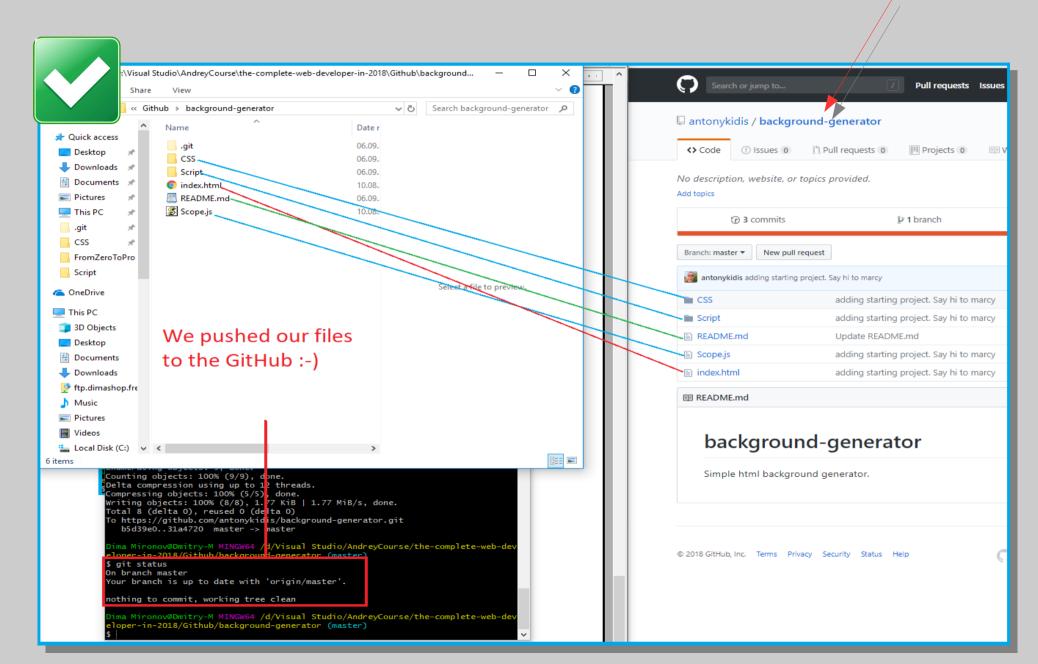
b5d39e0..31a4720 master -> master
```

Great!

Now a background-generator is online



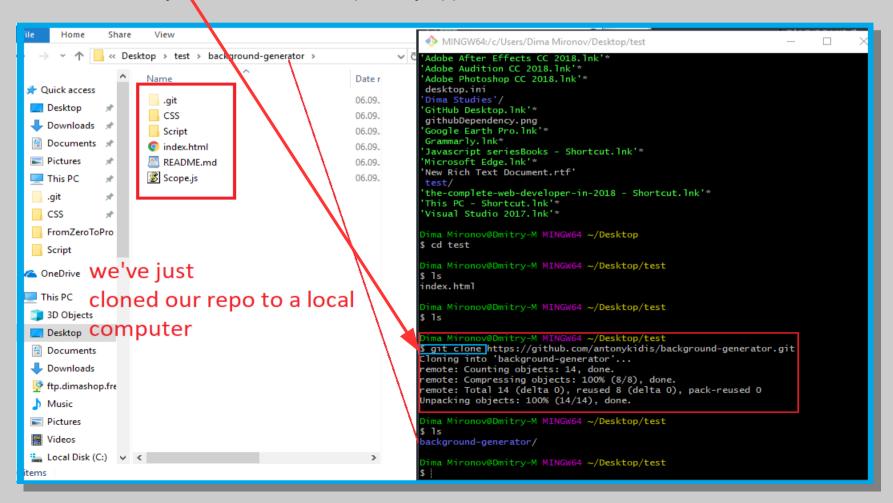
# What we've done so far We succesfully added a new files into GitHub repository





# Next Step - Work on Existing Repository

- Open Terminal(or cmd/bash/powrshell in windows)
- Navigate to the folder where you want to download a GitHub existing repository
- Copy repository's url from GitHub
- Type the following command (Example)
   git clone https://github.com/antonykidis/background-generator.git
- Finally check if a cloned repository appears in the desired folder



# Next Step - Pushing a modified files back to a GitHub

**S** ait status

On branch master

start code index.html

Changes not staged for commit:

- For example: open index.html and change the title<h1>here</h1> to a cool generator
- Save it
- Comeback to a terminal window, and type git status

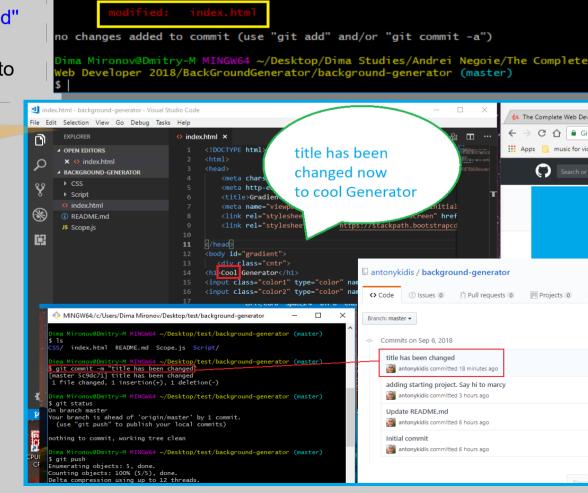
You should see a similar output

Type git add (adding the index.html)

7.Go to

**GitHub** 

- Type git commit -m "title has been changed" (save changes)
- Type git push (pushing the changes back to server)



\infty MINGW64:/c/Users/Dima Mironov/Desktop/Dima Studies/Andrei Negoie/T...

Web Developer 2018/BackGroundGenerator/background-generator (master)

leb Developer 2018/BackGroundGenerator/background-generator (master)

(use "git add <file>..." to update what will be committed)

oima Mironov@Dmitry-M MINGW64 ~/Desktop/Dima Studies/Andrei Negoie/The Complete

Dima Mironov@Dmitry-M MINGW64 ~/Desktop/Dima Studies/Andrei Negoie/The Complete

(use "git checkout -- <file>..." to discard changes in working directory)

The Complete Web Devel X

← → C 🏠 🗎 GitHub Apps \_\_\_ music for video

III Projects 0

Search or jump

CSS/ index.html README.md Scope.js Script/

Your branch is up to date with 'origin/master'.

# Navigate to committs link

And see the actual changes we've just made

As you can see the title has been changed to a Cool Generator

Showing 1 changed file with 1 addition and 1 deletion. title has changed 2 index.html @@ -11,7 +11,7 @@ </head> <body id="gradient"> <div class="cntr"> 13 14 - <h1>Background Generator</h 14 + <h1>Cool Generator</h1> 15 <input class="color1" type="color" name="color1" value="#00ff00"> 16 <input class="color2" type="color" name="color2" value="#ff0000"> 17 17 盘 0 comments on commit 5c9dc71

# We can pull the latest version from GitHub

MINGW64:/c/Users/Dima Mironov/Desktop/test/background-generator Mironov@Dmitry-M MINGW64 ~/Desktop/test/background-generator (master) ready up to date. Type git pull Mironov@Dmitry-M MINGW64 ~/Desktop/test/background-generator (master) everything is up to date! Useful commands Great:-) git add <files, or folders> Adds a new files to repo(via config file) git rm <files or folders> Removes files, or folders from GitHub git add. Adds all files and folders ait commit Save changes to config file, and prepare pushing it to the server git push Pushes the new changes back to server, and updates the remote repository git pull Pulls the latest version of the repository from a **GitHub** Checks the overall status of repository git status git branch -d branch name Removes the named branch or git branch -D branch name Removes the last commit mistakenly pushed to the GitHub git revert dd61ab32 By commit ID. So the commit id in this case is dd61ab32

git push origindelete  tranch_name>	Delete a remote GIT branch
git push <remote_name> :<branch_name></branch_name></remote_name>	
Remote name means this: git push origin : branch_name>	Delete a remote GIT branch

The end of part 1
Please read the GitHub guide part 2