

GIT: Branching and Merging

Getting an existing project into a REMOTE repo at GitHub

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Introduction

Sometimes you already have some code in place that you want to use. This activity simulates that and gets us setup for the rest of the course. At the end, we'll have a repository that we can use to work through the rest of the activities.

Let's get started!



GBAM: Getting Setup

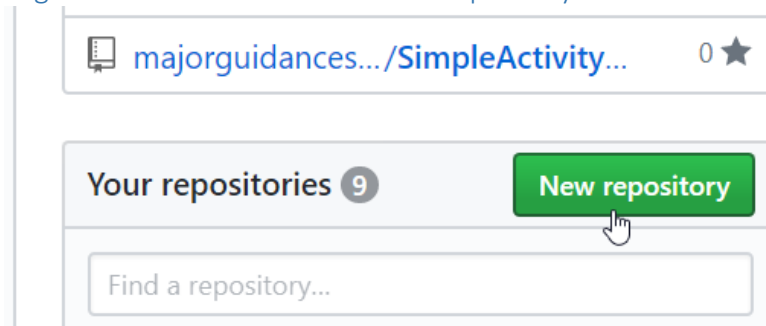
Step 1: Setup to work locally

- a) Get the files for use in our course
Either download the included attachment, fork my repo, or download from my repo at github.
- b) Extract the files to a folder on your desktop that makes sense.
For this example, I'm extracting to a folder called "Defaultweb_Activity"

This PC > DATA (G:) > Data > GFBTF > DefaultWeb_Activity						Search DefaultV
	Name	Date modified	Type	Size		
AndWorkBooks	css	10/14/2017 6:19 PM	File folder			
	fonts	10/14/2017 6:19 PM	File folder			
	images	10/14/2017 6:19 PM	File folder			
aceExtensionRole.Personal	About.html	6/30/2017 12:15 AM	Chrome HTML Do...	7 KB		
	ContactUs.html	6/30/2017 12:15 AM	Chrome HTML Do...	7 KB		
y	details.html	6/30/2017 12:18 AM	Chrome HTML Do...	4 KB		
	index.html	6/30/2017 12:15 AM	Chrome HTML Do...	6 KB		
ach Technologies	portfolio.html	6/30/2017 12:15 AM	Chrome HTML Do...	7 KB		



Step 2: Create the repository at GitHub

- a) Log in to GitHub and select “New Repository”



- b) Name the repository something useful and unique

Owner Repository name


 majorguidancesolutions / defaultweb_activity 

Great repository names are short and memorable. Need inspiration? How about [reimagined-spoon](#).

Notes



- c) Enter a useful description, choose public or private (costs \$). DO NOT Initialize anything or add any files, and select “Create Repository”:

Owner:  majorguidancesolutions / Repository name: defaultweb_activity ✓

Great repository names are short and memorable. Need inspiration? How about [reimagined-spoon](#).

Description (optional):
The default web for activity creation

☒ Public
Anyone can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

☐ Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repo:

Add .gitignore: None | Add a license: None ⓘ

Create repository

Step 3: Setup our project to track the new repo

- a) Navigate to your current folder where you extracted in step 1 in the BASH terminal

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity
$ |
```

- b) Use the instructions as provided at GitHub after creating a blank repo

...or create a new repository on the command line

```
echo "# defaultweb_activity" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/majorguidancesolutions/defaultweb_activity.git
git push -u origin master
```

Type the following commands:

[git init]

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity
$ git init
Initialized empty Git repository in G:/Data/GFBTF/DefaultWeb_Activity/.git/
```

[git add .]

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity (master)
$ git add .
warning: LF will be replaced by CRLF in fonts/glyphicons-halflings-regular.svg.
The file will have its original line endings in your working directory.
```

```
[git status]
```

```
On branch master
```

```
Initial commit
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
```

```
new file:   About.html
new file:   ContactUs.html
new file:   css/site.css
new file:   details.html
new file:   fonts/glyphicons-halflings-regular.eot
new file:   fonts/glyphicons-halflings-regular.svg
new file:   fonts/glyphicons-halflings-regular.ttf
new file:   fonts/glyphicons-halflings-regular.woff
new file:   fonts/glyphicons-halflings-regular.woff2
new file:   images/linkedin.png
new file:   images/twitter.png
new file:   index.html
new file:   portfolio.html
```

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity (master)
```

```
[git commit -m "initial commit"]
```

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity (master)
```

```
$ git commit -m "initial commit"
```

```
[master (root-commit) b7edba6] initial commit
```

```
13 files changed, 808 insertions(+)
create mode 100644 About.html
create mode 100644 ContactUs.html
create mode 100644 css/site.css
create mode 100644 details.html
create mode 100644 fonts/glyphicons-halflings-regular.eot
create mode 100644 fonts/glyphicons-halflings-regular.svg
create mode 100644 fonts/glyphicons-halflings-regular.ttf
create mode 100644 fonts/glyphicons-halflings-regular.woff
create mode 100644 fonts/glyphicons-halflings-regular.woff2
create mode 100644 images/linkedin.png
create mode 100644 images/twitter.png
create mode 100644 index.html
create mode 100644 portfolio.html
```

NOTE: YOU **MUST** replace the URL in this statement with the url to your own repository [it is visible at GitHub in the instructions and if you navigate to the repo in github you can copy the URL] i.e.

Quick setup — if you've done this kind of thing before

or https://github.com/majorguidancesolutions/defaultweb_activity.git

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

```
[git remote add origin <YOUR URL GOES HERE>]
```

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/DefaultWeb_Activity (master)
```

```
$ git remote add origin https://github.com/majorguidancesolutions/defaultweb_act
ivity.git
```

```
[git push -u origin master]
```

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/Defaultweb_Activity (master)
$ git push -u origin master
Counting objects: 18, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (16/16), done.
Writing objects: 100% (18/18), 180.51 KiB | 0 bytes/s, done.
Total 18 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), done.
To https://github.com/majorguidancesolutions/defaultweb_activity.git
* [new branch]      master -> master
Branch master set up to track remote branch master from origin.
Brian@SENTINEL MINGW64 /g/Data/GFBTF/Defaultweb_Activity (master)
```

[git status] -> just to make sure no files are untracked

```
Brian@SENTINEL MINGW64 /g/Data/GFBTF/Defaultweb_Activity (master)
$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working tree clean
```

Step 4: Make sure your repo is setup

a) Browse to the repo at GitHub

Make sure that your repo contains the files as expected.

The screenshot shows the GitHub repository page for 'majorguidancesolutions / defaultweb_activity'. The repository is in the 'master' branch and contains 1 commit, 1 branch, 0 releases, and 1 contributor. The repository is described as 'The default web for activity creation'. The file list shows the following files: css, fonts, images, About.html, ContactUs.html, details.html, index.html, and portfolio.html. All files were committed initially 5 minutes ago. There is a button to 'Add a README' at the bottom.

This concludes our setup activity.

Closing Thoughts

By the end of this activity, you should have a local repo and a remote repo to work with for the rest of the course.

If you can't get these setup for some reason, another alternative would be to go out to my repo, and fork it to your account, then just clone the repo to your local directory somewhere. This is easily done by using the git clone command.

If you are still struggling, it might be worth your time to take my free course on the ultimate git 5-day challenge. That course is an introduction and covers things you should know before trying to work through this course.

Take a few minutes to make some notes about the various commands we've learned about in this activity, and practice using them.

Notes