

# First Homework Tutorial

*BDA 503 - Fall 2017*

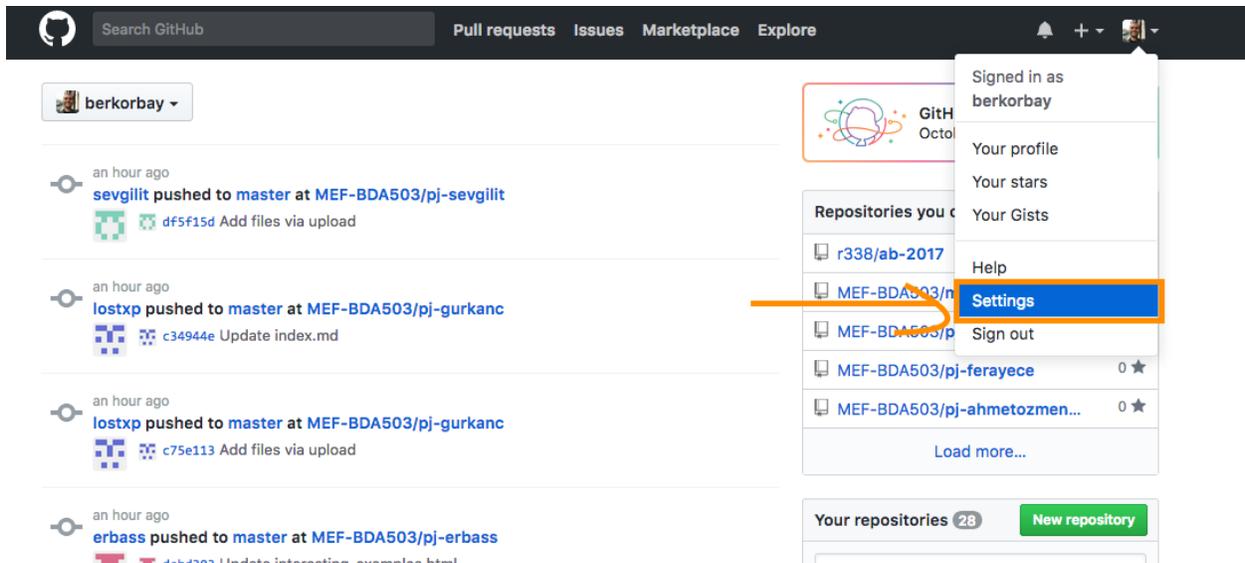
## Contents

1	Step 0: Create a GitHub Account and Accept Homework Link	1
2	Step 1: Download GitHub Desktop and Clone Your Repository	2
3	Step 2: Do the Homework	4
4	Step 3: Commit and Sync	6
5	Step 4: Set Up Your GH Pages Website	6
6	Step 5: Celebrate!	9

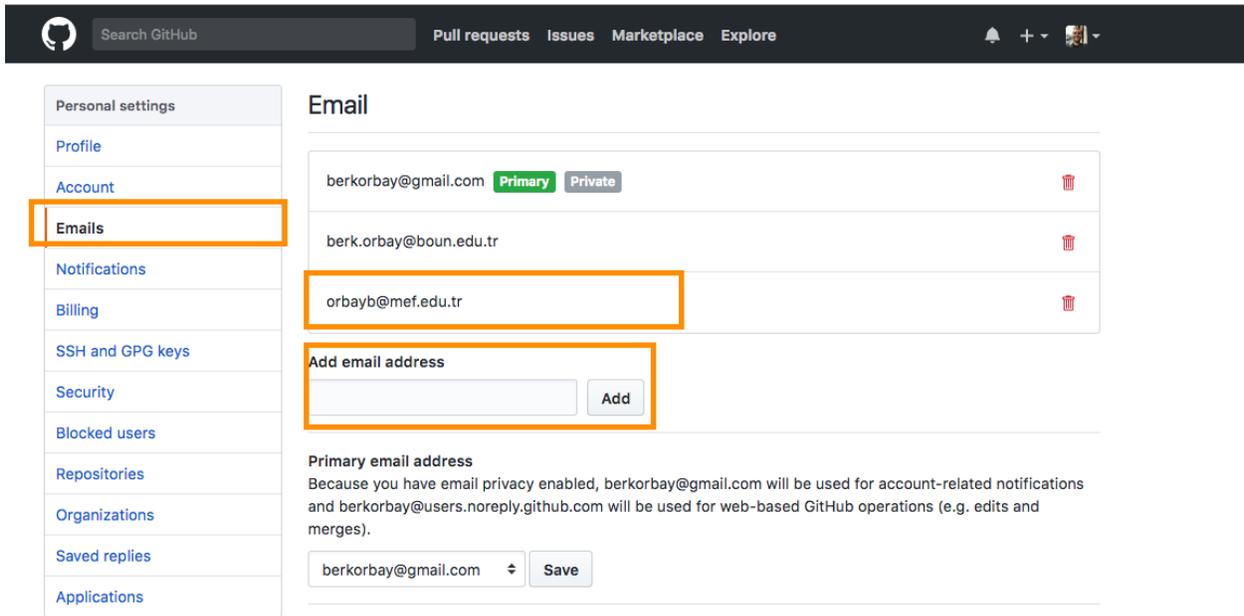
## 1 Step 0: Create a GitHub Account and Accept Homework Link

1. Open [github.com](https://github.com)
2. Create an account.
3. If you already created one add your @mef.edu.tr email to the email addresses.

Example screenshot.



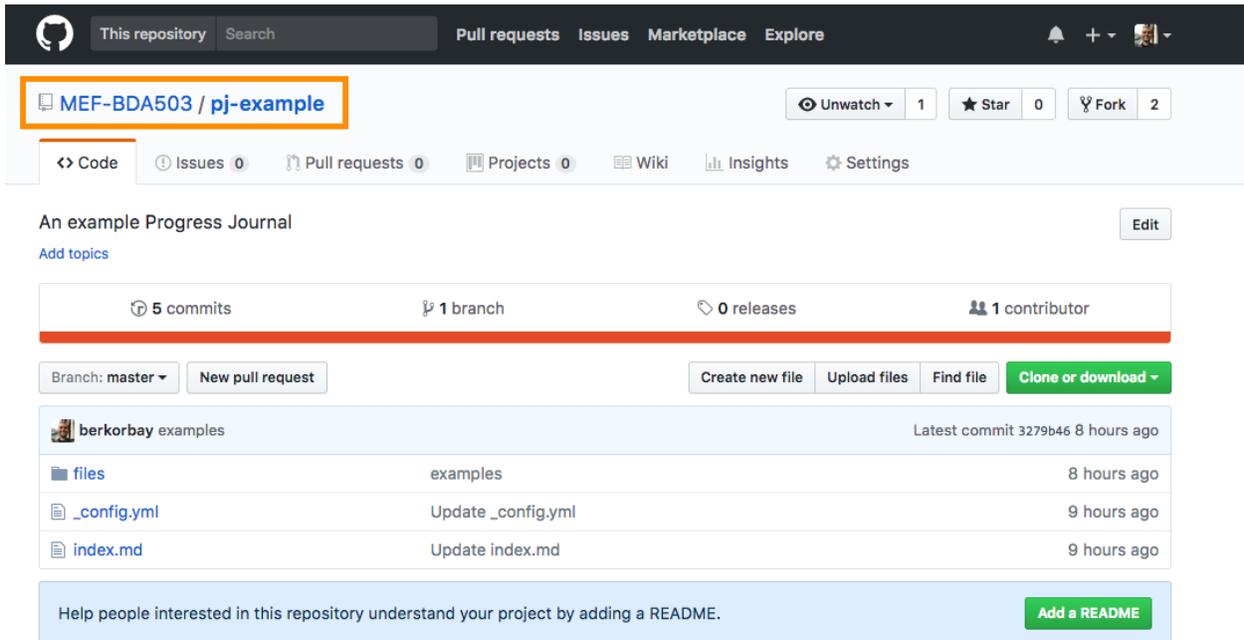
Example screenshot.



4. Enter the link to the browser and create your repository from there.

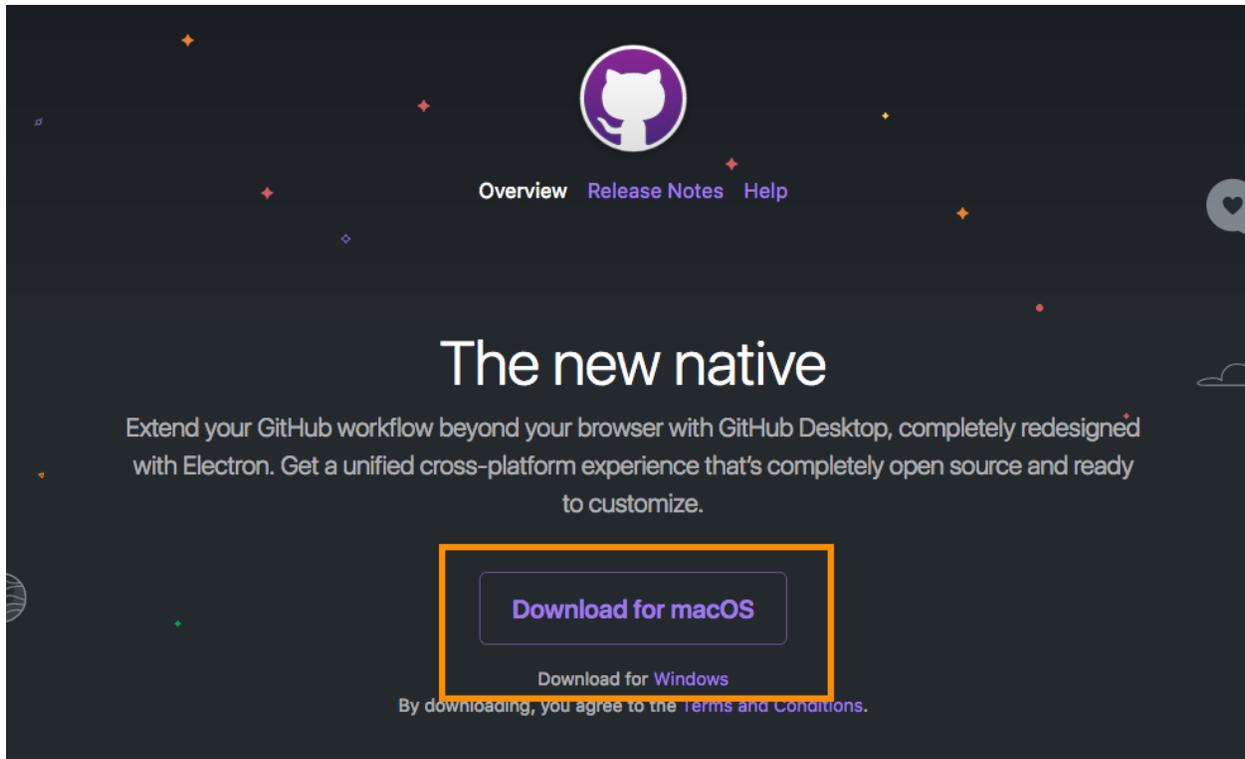
The link: <https://classroom.github.com/a/uJekllhi>

Your repository will be MEF-BDA503/pj-<YOURUSERNAME>



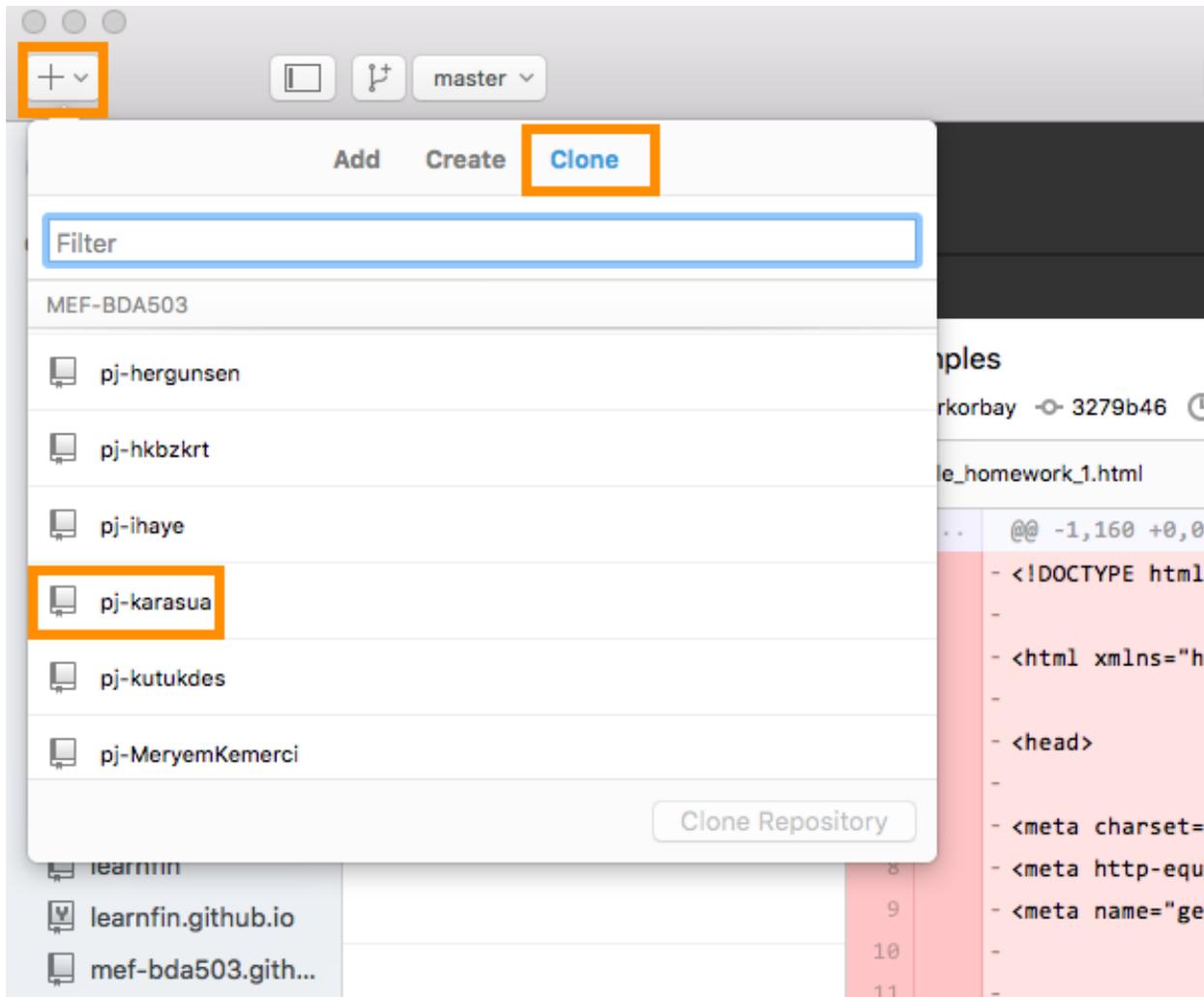
## 2 Step 1: Download GitHub Desktop and Clone Your Repository

1. Visit [GitHub Desktop website](#), download (Mac/Windows) and install. (p.s. If you use linux it will be hard to use GH Desktop)



2. Open GH Desktop and login. Clone your repository to your computer. Locate your repository. It will include starter files

*p.s. The version of your GH Desktop and screenshot below might differ a bit. Essentially it is the same.*



YouTube Tutorial: <https://www.youtube.com/watch?v=XdhuWddu-rk>

### 3 Step 2: Do the Homework

1. Download homework example from [here](#) or Blackboard. You can use “Save As” to save the Rmd file.

```

https://raw.githubusercontent.com/MEF-BDA503/mef-bda503.github.io/master/files/example_homework_1.Rmd
---
title: "Interesting R Examples"
author: Name Surname - BDA 503 - Fall 2017
---
```{r,echo=FALSE,results="hide"}
library(knitr)
opts_chunk$set(tidy.opts=list(width.cutoff=60),tidy=TRUE)

```{r,echo=FALSE,eval=FALSE}
rmarkdown::render("~/Users/berkorbay/Dropbox/Courses_given/MEF_BDA_503_2017F/Guidelines/example_homework_1.Rmd",output_format="pdf_document")
rmarkdown::render("~/Users/berkorbay/Dropbox/Courses_given/MEF_BDA_503_2017F/Guidelines/example_homework_1.Rmd",output_format="html_document")
```

1. [Exploring Survival on the Titanic](https://www.kaggle.com/mrisdal/exploring-survival-on-the-titanic)

This example is important because it is an R Notebook on Titanic data set. Titanic is considered as one of the Data Science 101 data set and this notebook provides a good exploratory data analysis. It is also a Kaggle Kernel, which is a very good source for this kind of example R codes. The notebook also covers feature engineering, missing data imputation and modeling.

2.

```

2. Open RStudio. Make sure you installed [pandoc](#).
3. Open example homework file, change name surname and fill your five examples.

```

1 ---
2 title: "Interesting R Examples"
3 author: Name Surname - BDA 503 - Fall 2017
4 ---
5 ```{r,echo=FALSE,results="hide"}
6 library(knitr)
7 opts_chunk$set(tidy.opts=list(width.cutoff=60),tidy=TRUE)
8 ```
9
10 ```{r,echo=FALSE,eval=FALSE}
11 rmarkdown::render("/Users/berkorbay/Dropbox/Courses_given/MEF_BDA_503_2017F/Guidelines/example_homework_1.Rmd",output_format="pdf_document")
12 rmarkdown::render("/Users/berkorbay/Dropbox/Courses_given/MEF_BDA_503_2017F/Guidelines/example_homework_1.Rmd",output_format="html_document")
13 ```
14
15 1. [Exploring Survival on the Titanic](https://www.kaggle.com/mrisdal/exploring-survival-on-the-titanic)
16
17 This example is important because it is an R Notebook on Titanic data set. Titanic is considered as one of the Data Science 101 data set and this notebook provides a good exploratory data analysis. It is also a Kaggle Kernel, which is a very good source for this kind of example R codes. The notebook also covers feature engineering, missing data imputation and modeling.
18

```

4. Knit to HTML. Find where you saved the file.

5. Add it under files. (suppose my homework html file name is interesting\_examples.html)

| File Name                 | Modified    | Size      | Type           |
|---------------------------|-------------|-----------|----------------|
| files                     | Today 14:49 | --        | Folder         |
| interesting_examples.html | Today 14:35 | 711 KB    | HTML           |
| index.md                  | Today 14:35 | 123 bytes | Markd...cument |

6. Edit your index.md and config.yml files. (You can use Atom editor or any other text editor including Notepad).

index.md: make sure your path and file name is correct.

```

1 # Example Progress Journal
2
3 ## Week 2 (Oct 10)
4
5 + [Here](files/interesting_examples.html) is my 5 interesting R examples.
6

```

config.yml: make sure you changed name and surname to yours.

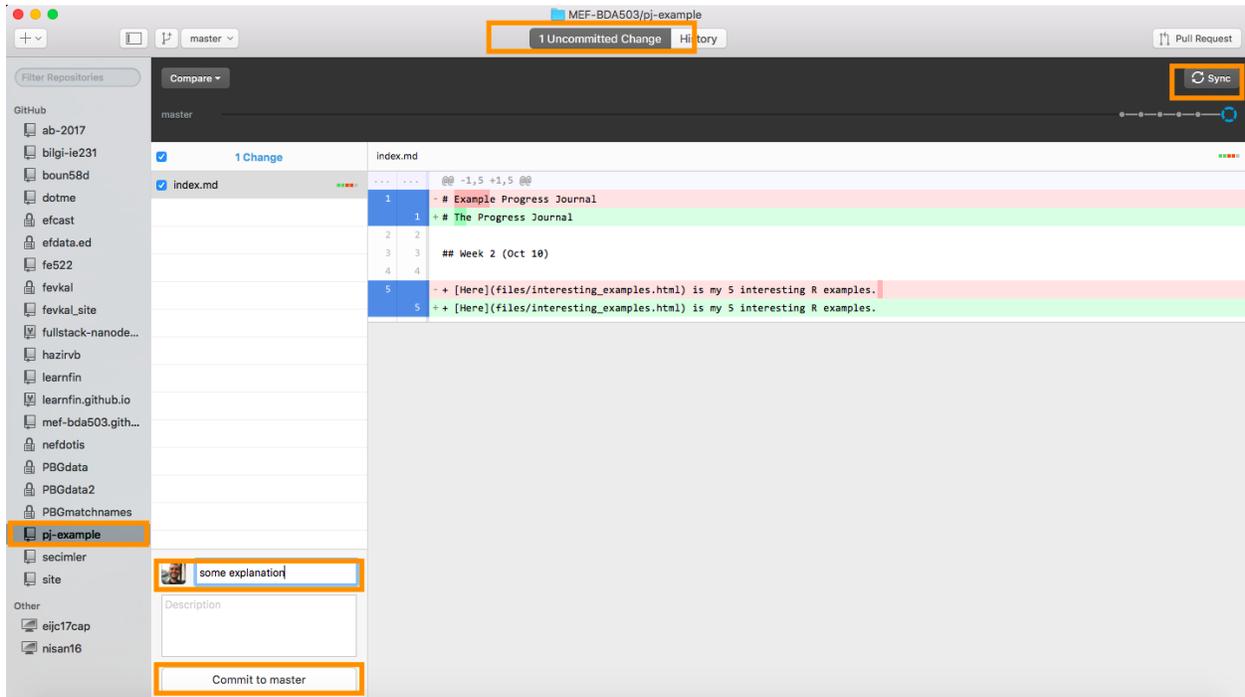
```

1 theme: jekyll-theme-cayman
2 title: Name Surname Progress Journal
3 description: BDA 503 Fall 2017 - MEF University
4

```

## 4 Step 3: Commit and Sync

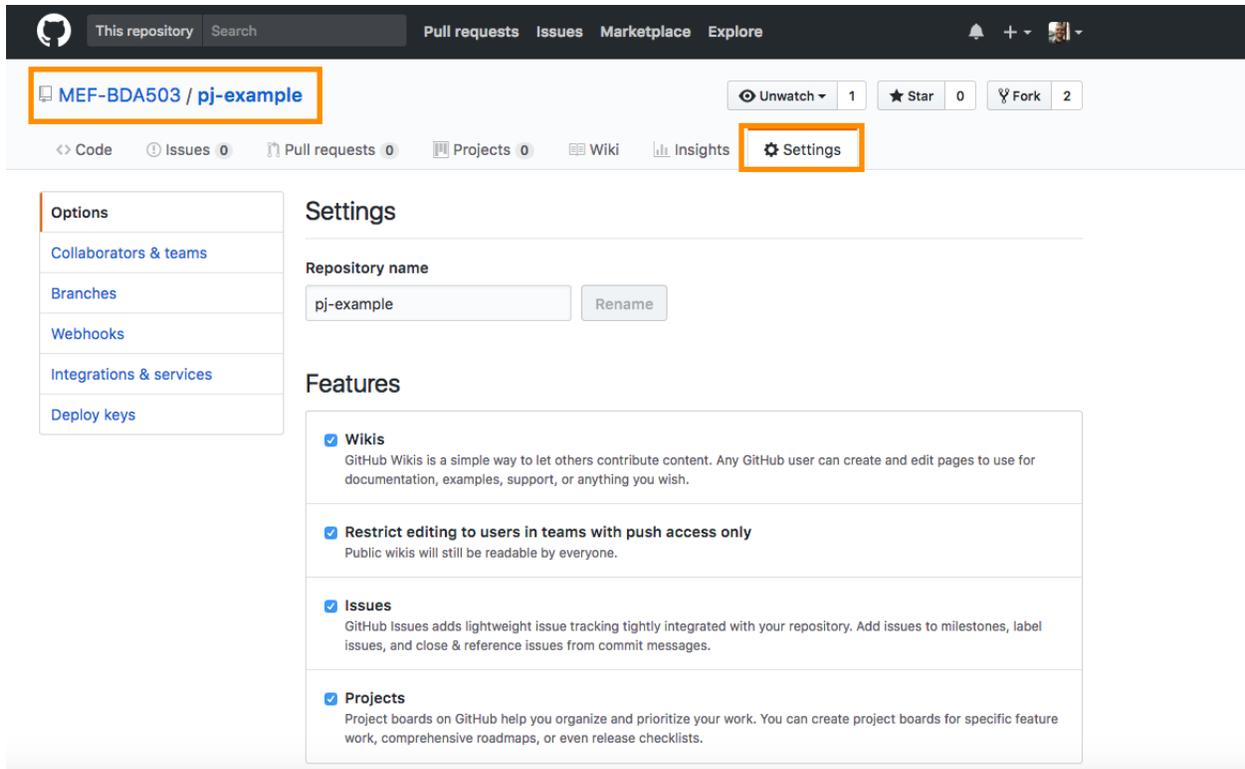
1. Go back to GH Desktop. Click on your repository, you should have some changes.
2. Write something to the commit title. Commit and then sync (make sure you committed all the changes first).



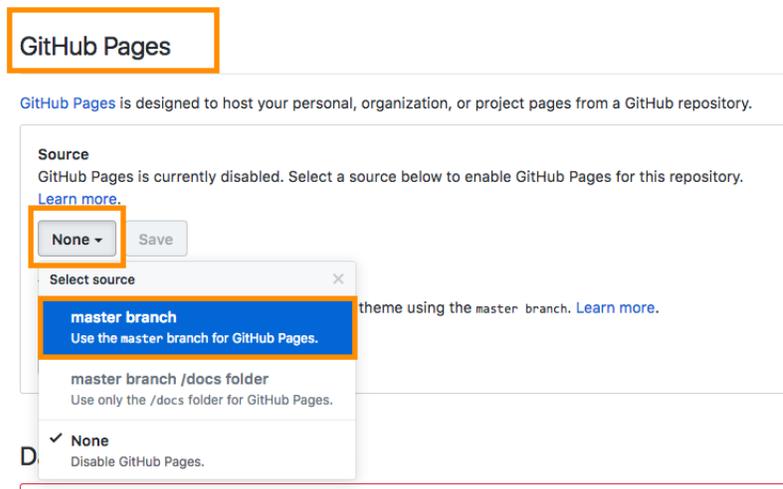
3. You are going to repeat this step every time you changed something in this repository.

## 5 Step 4: Set Up Your GH Pages Website

1. You are going to this only once.
2. Go to your repository. Click on Settings.



3. Scroll down to GitHub Pages. Click on dropdown button, choose master branch. Click save.



## GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

### Source

GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository.

[Learn more.](#)

master branch ▾

Save

### Theme Chooser

Select a theme to build your site with a Jekyll theme using the master branch. [Learn more.](#)

Choose a theme

4. Wait for the confirmation. Refresh in a minute or two.

## GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

✓ Your site is published at <https://mef-bda503.github.io/pj-example/>

### Source

Your GitHub Pages site is currently being built from the master branch. [Learn more.](#)

master branch ▾

Save

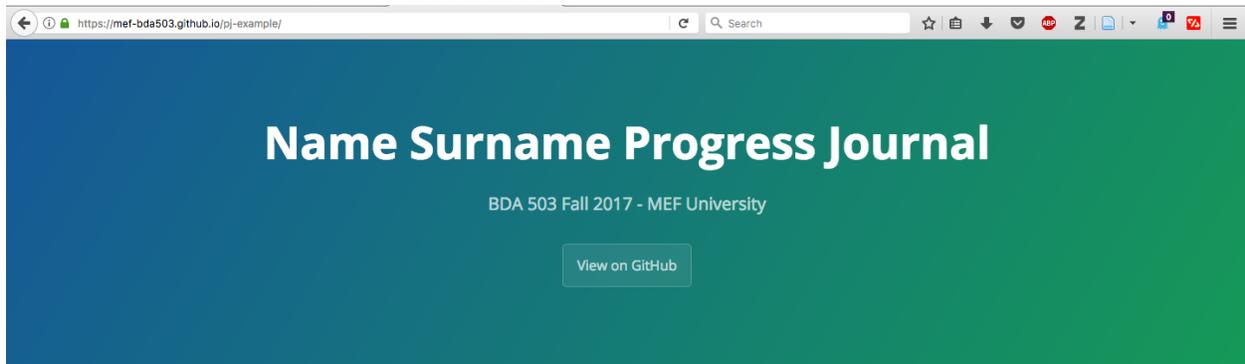
### Theme Chooser

Select a theme to build your site with a Jekyll theme. [Learn more.](#)

Your site is currently using the Cayman theme.

Change theme

5. Visit your webpage and check if your homework is there and your link is not broken.



## Example Progress Journal

### Week 2 (Oct 10)

- [Here](#) is my 5 interesting R examples.

[pj-example](#) is maintained by [MEF-BDA503](#).

This page was generated by GitHub Pages.

## 6 Step 5: Celebrate!

Congratulations! You just managed to handle Git, GitHub, GitHub Classroom, GitHub Desktop, GitHub Pages and RMarkdown like a boss.