GitPage Hosting

GitHub Hosting of website
Git Getting Started Guide

INSTRUCTOR:

LAURENCE SVEKIS

- Over 300 courses in technology and web applications.
- 20 years of JavaScript web programming experience
- 500,000+ students across multiple platforms
- Digital instructor since 2002

READY TO HELP YOU LEARN and ANSWER ANY questions you may have.

Course instructor : Laurence Svekis

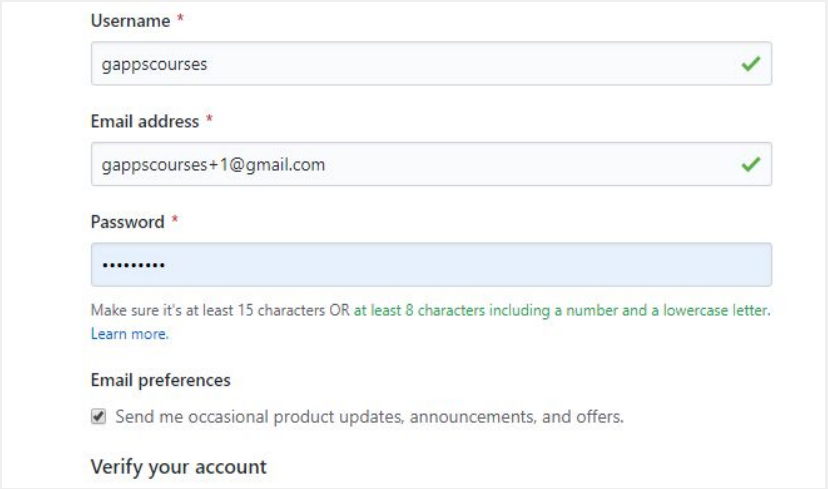
Signing up at GitHub

https://github.com/join

Free Plan

GitHub basics for every developer

- Unlimited repositories
- **3 collaborators/private repository**
- 2,000 Action minutes/month
- 500MB of GitHub Packages storage
- Automated security updates

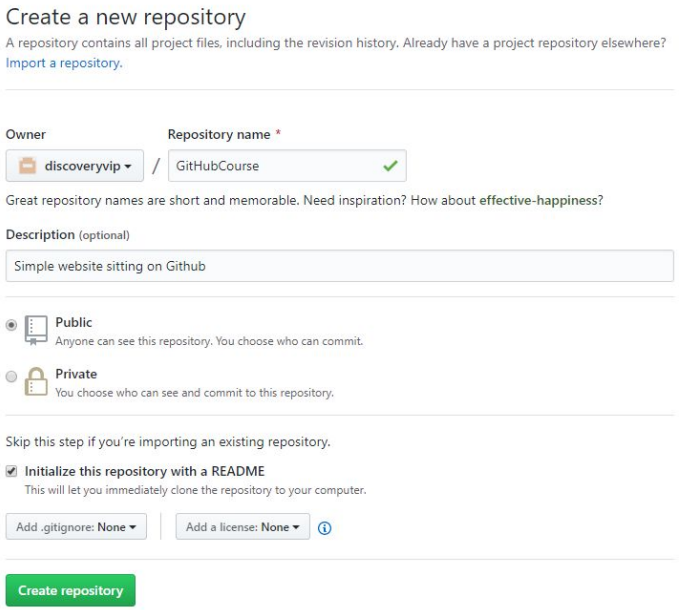


EXERCISE :

Github account/login to the account

Start a Project

https://github.com/new

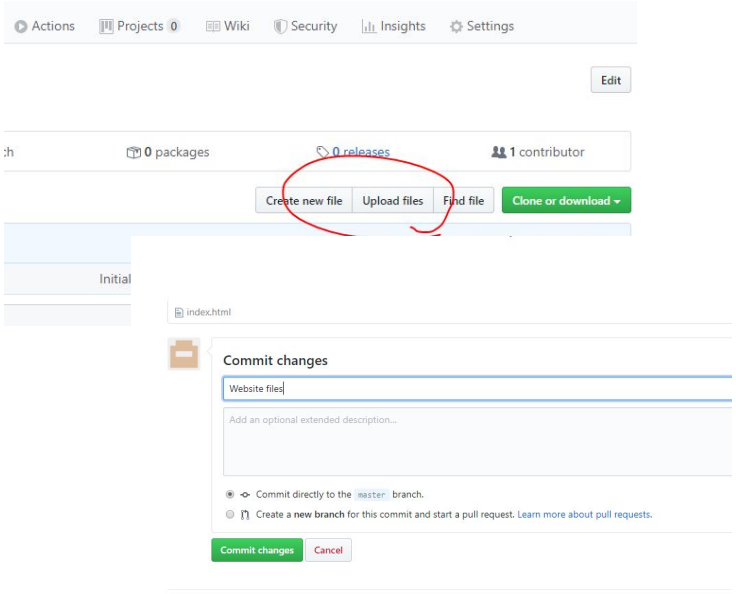


EXERCISE :

- Create new project with name
- Open in GitHub
- Edit readme to state what the project is for

Create Upload Files

Placing file on github with upload. You must have content in the files to upload, make sure you have something in the file.




```
<!doctype html>
<html lang="en">
<head>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width,
initial-scale=1, shrink-to-fit=no">
      <link rel="stylesheet" href="style.css">
      <title>My WebSite</title>
</head>
<body>
      <h1>Hello, world!</h1>
      <script src="apps.js"></script>
</body>
</html>
/* Style File */
//JavaScript File
```

EXERCISE :

- Create index.html style.css and apps.js files
- Select upload files and upload them to GitHub
- Commit the changes

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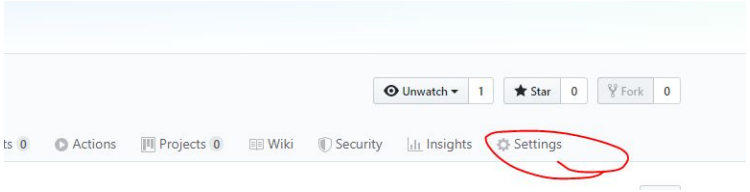
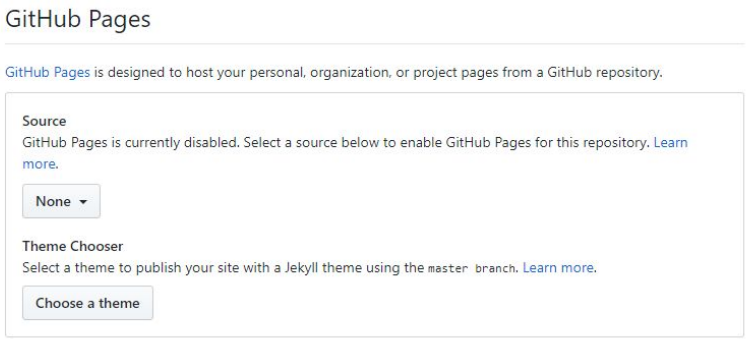
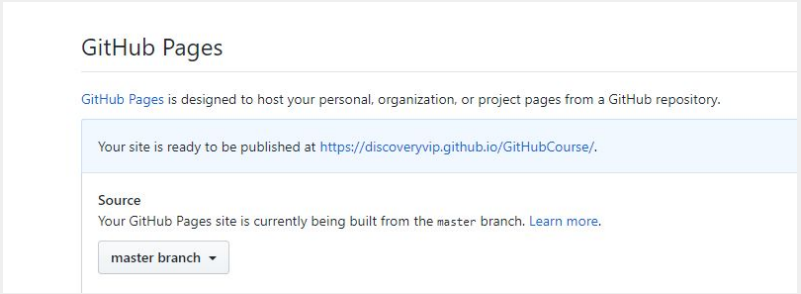
Share your site to the world

Under settings go to GitHub Pages.







EXERCISE :

- Under settings select the branch you want to share.
- Get URL in GitHub pages section and try in a browser

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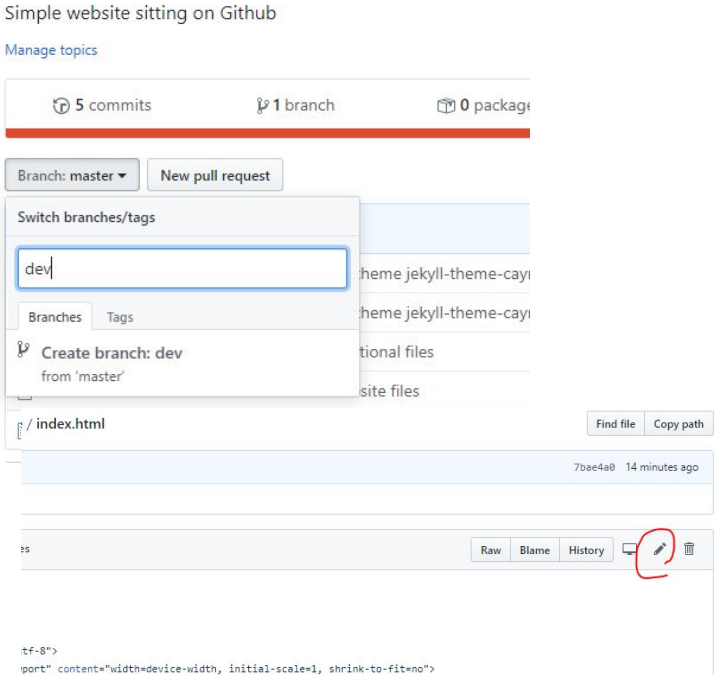
Create new branches

Create a new branch, switch to it and edit a file.



EXERCISE :

- Create a new branch called dev from master
- Switch to dev branch and make an update to your page index.html with edit
- Commit changes

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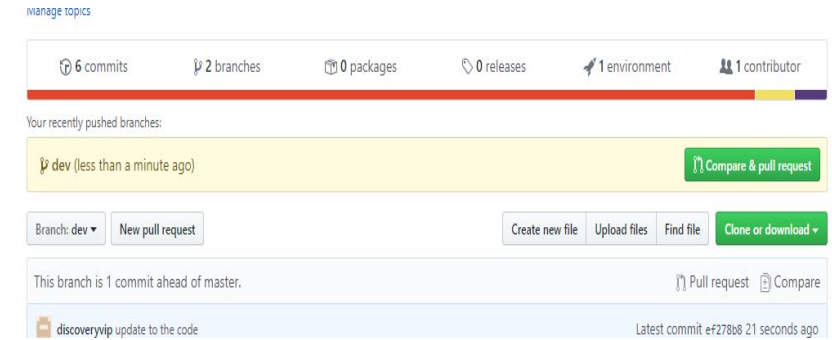
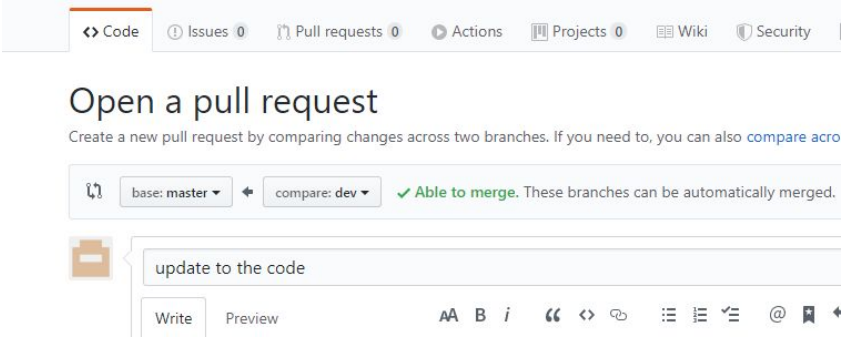
Pull request and Merge





EXERCISE :

- Select dev you should see a message. Compare and create pull request.
- Review code changes at the bottom
- Make sure it says able to merge.
- Create pull request
- Under pull requests tab accept request and merge dev changes to master

Install Git for your computer

If you want to work with Git locally, but don't want to use the command line, you can instead download and install https://desktop.github.com/
Use the terminal you need to install git
https://git-scm.com/downloads
https://git-scm.com/docs - more details
Command line terminals Windows can use the command prompt app or https://www.cygwin.com/
Get that Linux feeling - on Windows
Open Terminal on Mac - open Applications folder > open Utilities > double-click Terminal
#2 press Command spacebar to launch Spotlight > type "Terminal," > double-click
https://github.github.com/training-kit/downloads/github-git-cheat-sheet.pdf

```
Change Drive - D:
Change directory - cd directory
List Folders/Files - dir or ls

git --version
git config --global user.name "Laurence Svekis"
```

EXERCISE :

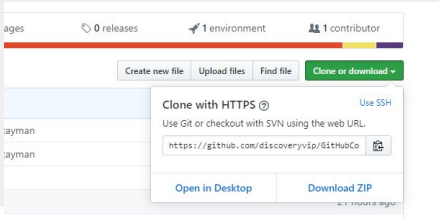
- Install git - check with *git --version*
- Navigate in the terminal to the file folder
- Setup username for git *git config --global user.name "Laurence Svekis"*

Connect to your repo

Repos can be tricky if the source files don't match. This is why suggested is to create a new dev branch to develop code on. Make changes to dev then commit and pull request to master. Don't edit or update master as then your files might not match and you will have to cherry pick the changes which is really time consuming.

Easiest way to get started is to create a new folder for the files and connect to the git repo. Then make changes locally and push the changes. Everytime you want to work with the file make sure you pull the repo and the dev branch then make changes commit and push back to the repo.

```
mkdir mySite - make directory with site name mySite
cd mySite - change directory to be within the new folder
git init - create git
git clone https://github.com/discoveryvip/GitHubCourse.git - clones
the files locally
**** Note that if you want the folder to be used as the route of
your repo locally then you can go out one directory and clone
adding a space and the folder name you want to clone into.
```



EXERCISE :

- Create a folder and setup git init
- Copy git repo url path
- Clone YOUR repo locally
- Check files in folder, open in browser

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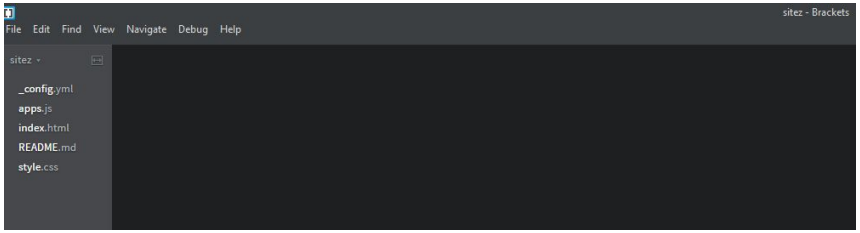
Edit files locally

I'm using brackets as the editor in the course.

http://brackets.io/




```
D:\sitez>git checkout dev
Switched to branch 'dev'

D:\sitez>git status
On branch dev
nothing to commit, working tree clean

D:\sitez>git add *

D:\sitez>git commit -m "Commit message"
[dev 6999452] Commit message
 1 file changed, 2 insertions(+), 2 deletions(-)

D:\sitez>
```

```
git checkout -b dev - creates new branch dev * without -b just
switch -b creates.
git status - check status of changes and branch
git add * - adds all files
git commit -m "Commit message" - adds commit with message
```

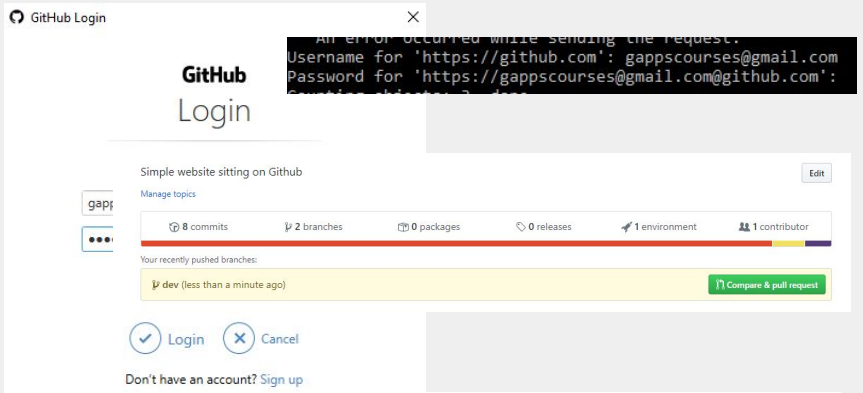
EXERCISE :

- Switch to new branch or dev branch in terminal
- Open files in editor, index.html and make some code changes

Commit files

Action	Git command
Add all new files.	git add <filename> OR git add *
Remove a file.	git rm <filename>
Commit changes.	git commit -m '<commit_message>'
Check Status	git status
Clone	git clone /path/to/repository
Push back to git repo	git push origin <branch>
Switch to branch	git checkout master
Create new branch	git checkout -b branchName
Delete Branch	git branch -d branchName
Update your local repository	git pull origin <branch>

```
git push origin dev - pushing changes back to git repo branch dev
*** Will ask for login to Git ***
```



EXERCISE :

- Type push - Login and then go to git website
- Create and complete the pull request
- Confirm merge and complete

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Add Bootstrap for easy Styling

Quick Website template
https://getbootstrap.com/docs/4.4/getting-started/introduction/

Examples of templates
https://getbootstrap.com/docs/4.4/examples/

Free CV template
https://startbootstrap.com/themes/resume/

```
git pull origin dev
git status
*****MAKE YOUR FILE CHANGES*****
git add *
git status
git commit -m "Added Bootstrap template"
git push origin dev
*****ENTER CREDENTIALS*****
```

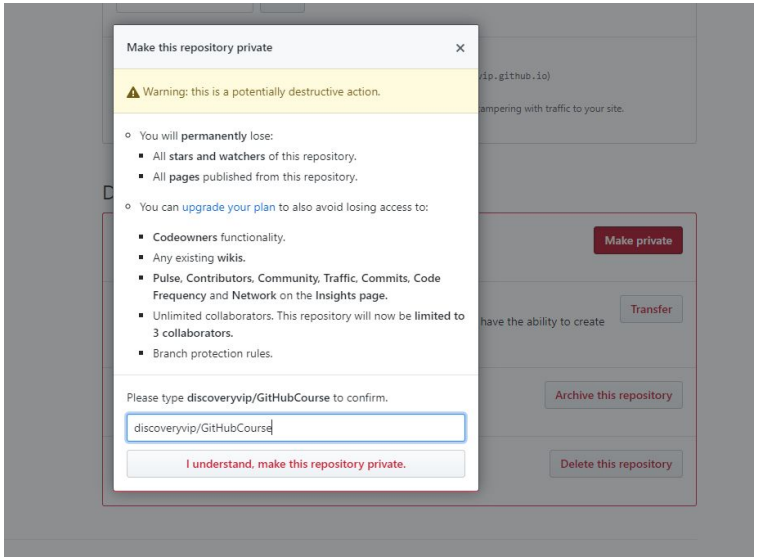
EXERCISE :

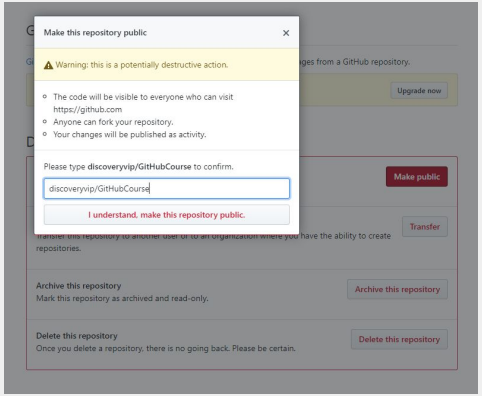
- Update your code with the Bootstrap template
- Add your content
- Commit and push changes to online page

Make Private Option

https://github.com/discoveryvip/GitHubCourse/settings

Please note you cannot have GitPages that are Private :(unless you have paid service.





EXERCISE :

- If you make private you will have to re-enable your git pages once you make public again.

Congratulations on completing the course!

Thank you for your support

Course instructor : Laurence Svekis - providing online training to over 500,000 students across hundreds of courses and many platforms.

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