MISA Workshop #4 Github

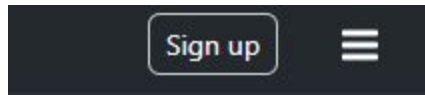# What we will do in this workshop:

- Create a GitHub account
- Create a Repository
- Fork some Code!
- Edit that Code!
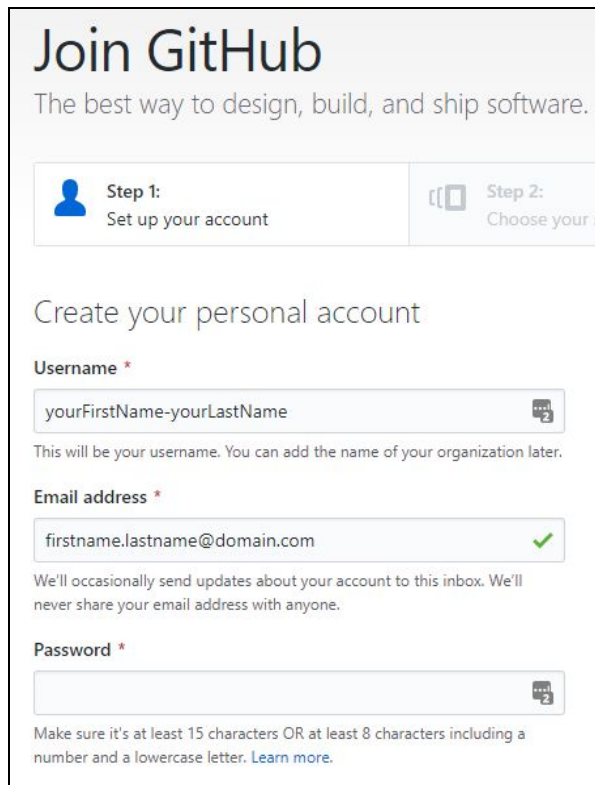- Branch the Code!
- Setup a GitHub.io landing page

Create a GitHub account

1. Go to https://github.com/
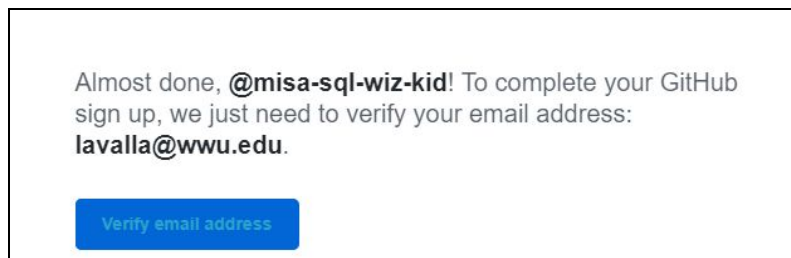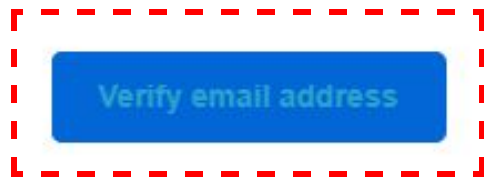
2. Click **"Sign up"**

3. Enter a **Username**, **Email**, and **Password**

4. Verify your email address:
   - Go to your email and find the verification email from GitHub
   - Click **"Verify email address"**
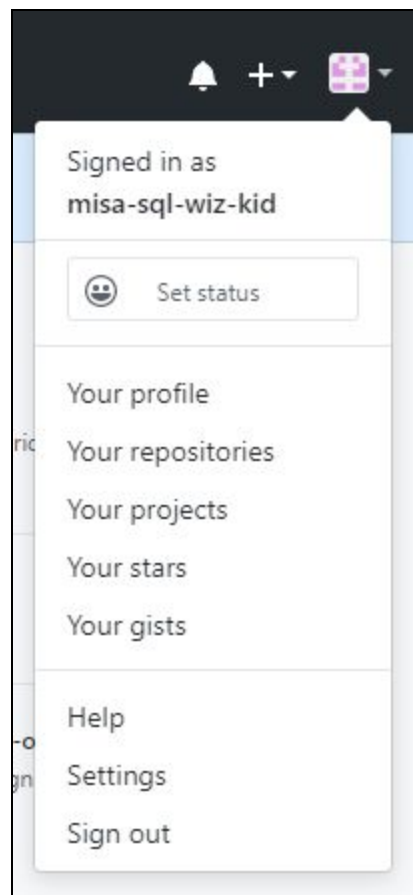
Verify email address

5. Congrats you made a Github account!

Create a Repository

1. Click the Profile icon in the top right corner of the browser window

A drop down menu will appear:

Click on **"Your repositories"**

2. Click **"New"**

Type: All ▾   Language: All ▾   📖 New

| Overview | Repositories 0 | Projects 0 | Stars 0 | Followers 0 | Following 0 |

Find a repository...   Type: All ▾   Language: All ▾   📖 New

misa-sql-wiz-kid doesn't have any public repositories yet.

😊 Set status

misa-sql-wiz-kid

Edit profile

3. Enter a **Repository name** using this format:

[yourUsername].github.io

- Make sure your repository is set to "**Public**"
- Check the checkbox for **"Initialize this repository with a README"**
- Click **"Create repository"**

4. Open a new tab in your browser and in the URL put:

https://[yourUsername].github.io

Example:

5. Congrats you created a GitHub repository!

Fork Some Code!

1. Search for "alex-lavallee" in the GitHub search bar.

or

Paste the URL:

https://github.com/alex-lavallee/alex-lavallee.github.io
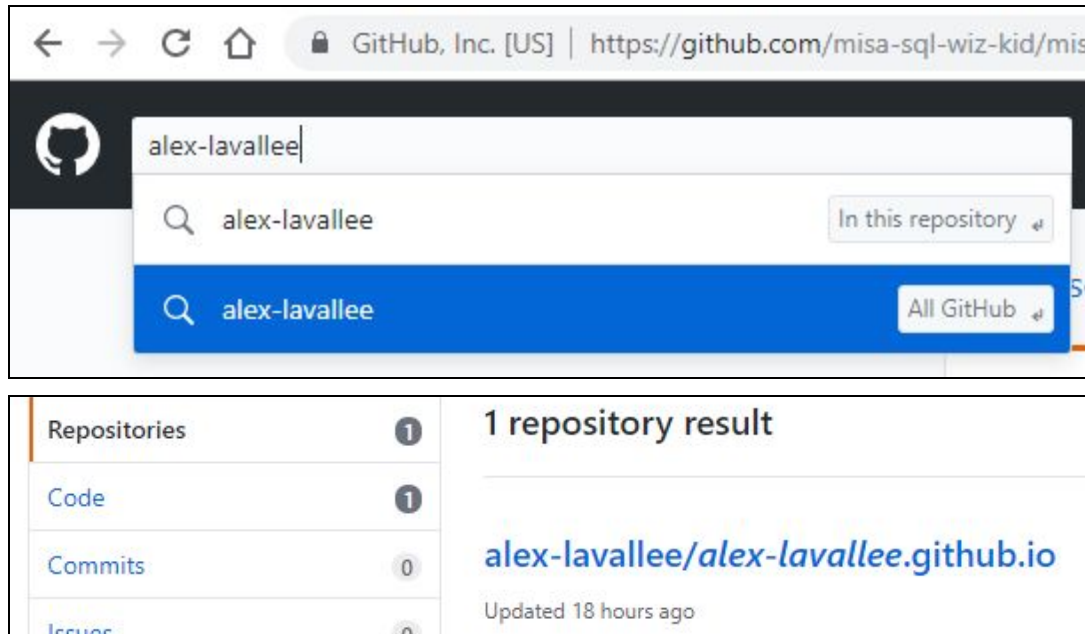
2. Fork the repository!

In the top right corner of the repository page, find the **"Fork"** button
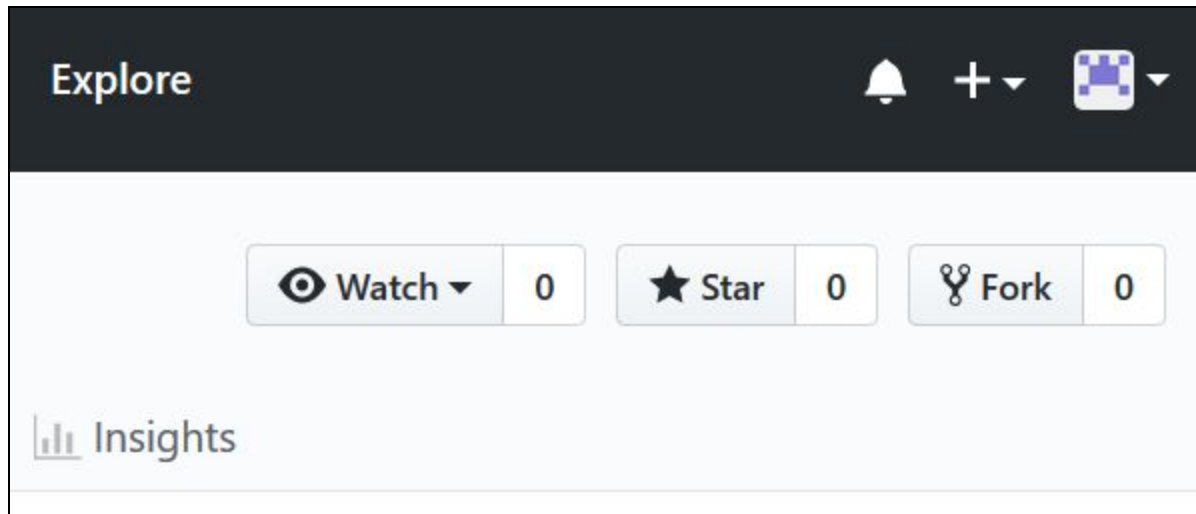
Click **"Fork"**
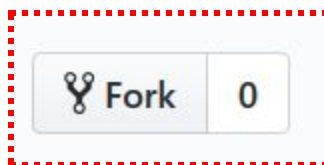
You should be looking at a replica of the repository you just forked.

This replica can be changed without impacting the original repository and its files.

3. Congrats, you forked some code!

Edit That Code!

Now, in our newly forked repository, let's edit some code within the file "index.html"

1. Click on "index.html"

📄 index.html

2. We are looking at the contents of the file.

On line 5, their is an html <title> tag that contains the string "My Awesome Name!!!"
We are going to replace this placeholder with your name!

```
1    <!doctype html>
2    <head>
3
4    <!-- Title -->
5    <title>My Awesome Name!!!</title>
6
7    <!-- Styles -->
8    <link rel="stylesheet" href="styles.css">
```

To the right of the code there is a small row of buttons

```
48 lines (34 sloc)   929 Bytes          Raw   Blame   History  🖥  ✏  🗑

1    <!doctype html>
2    <head>
3
4    <!-- Title -->
5    <title>My Awesome Name!!!</title>
6
7    <!-- Styles -->
8    <link rel="stylesheet" href="styles.css">
```
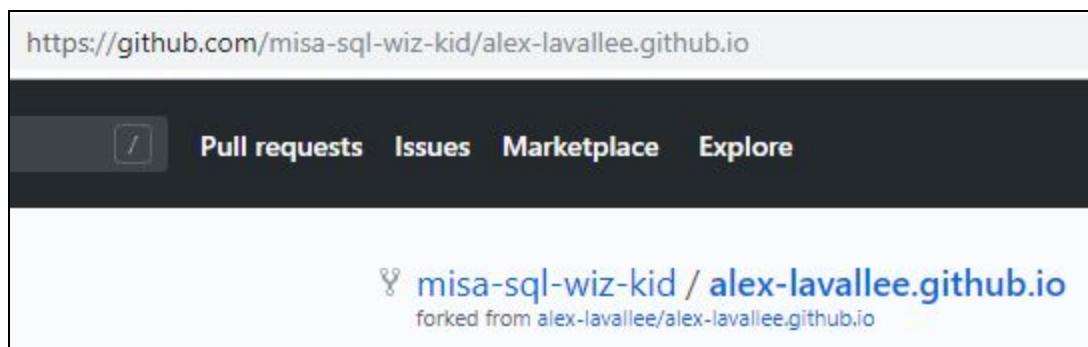
Raw: Open the raw file content in a new tab
Blame: Review code changes, line by line
History: Review the edit history
Desktop: Open the file in Desktop version of GitHub
Edit: Edit the file
Delete: Delete the file

Raw   Blame   History   🖥   ✏   🗑
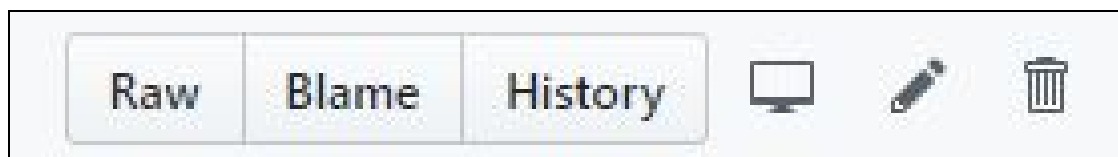
OK, let's replace "My Awesome Name!!!" with your name!

3. Click the "Edit button"

We are presented with a in-browser text editor

Change the sting in the <title> tag to your name (or whatever you want really)
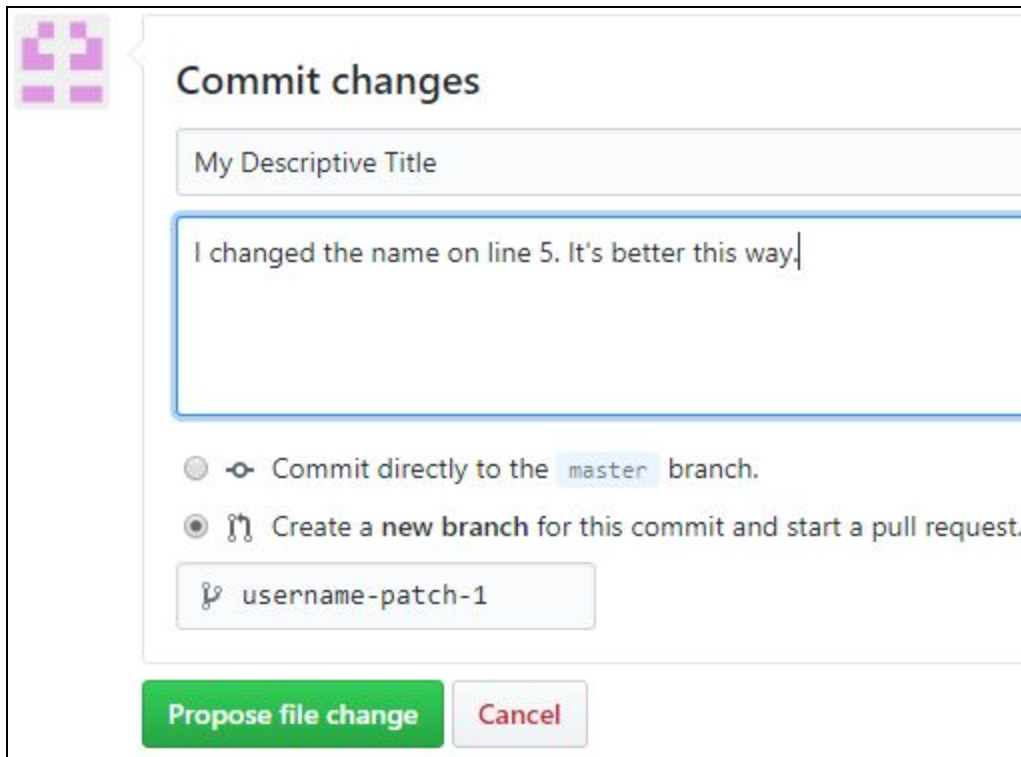
Branch the code!

4. Once you've done that, scroll to the bottom of the web page to the **Commit changes** section

Enter a descriptive title for your changes and additional details
(If left empty, the field will be filled with a default generic title)

Instead of committing to the master branch, select the option to **"Create a new branch for this commit and start a pull request."**

Give the branch a descriptive name

Click **"Propose file change"**

We are taken to a page that will allow us to **Open a pull request**

Open a pull request
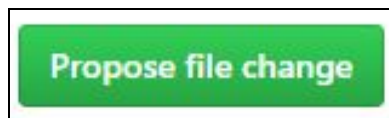
The change you just made was written to a new branch named `username-patch-1`. Create a pull request below to propose these changes.

base: master ▾ ← compare: username-patch-1 ▾ ✓ **Able to merge.** These branches can be automatically merged.

My Descriptive Title

Write | Preview

AA B i   " <>   @ 🔖 ↩▾

I changed the name on line 5. It's better this way.

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

Create pull request ▾

Reviewers ⚙
No reviews

Assignees ⚙
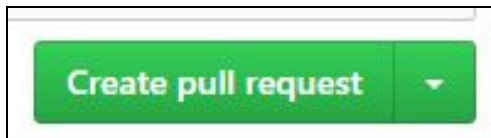No one—assign yourself

Labels ⚙
None yet

Projects ⚙
None yet

Milestone ⚙
No milestone

The page has lots of cool information but for our purposes we only need to do one thing.

Click **"Create pull request"**

Create pull request ▾

Now the originator of the file, alex-lavallee, has received your pull request.

Let's check out how it looks to have a bunch of pull requests.

Pause here.

Setup a GitHub.io landing page

Download and extract the code.zip file

Go to the repository we made earlier

Click "Upload files"

Choose these files from the zip folder:

- index.html
- Styles.css
- myPhoto.jpg

In the **Commit changes** section, leave the default option (**Commit directly to the master branch**) selected

Click **"Commit changes"**

You should be back on the repository's page.

The URL should look like this:

https://github.com/misa-sql-wiz-kid/<mark>misa-sql-wiz-kid.github.io</mark>

Copy <mark>the highlighted portion</mark> and in a new tab, paste it in the URL bar

Misa-sql-wiz-kid.github.io

6. Congrats! You setup your very own GitHub.io landing page!

If you have picked a professional enough sounding username, you can put the URL on resumes or in email signatures (or wherever!)