Web Development 101

Learn

Getting started with JavaScript 🟨

pupilfirst

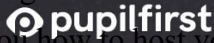## After you've completed the WD101 capstone...

Go through this lesson after you've completed the requirements of the capstone project. This lesson will teach you how to host your registration form online using GitHub pages.

GitHub pages

For this lesson, we're going to assume that you've finished work on the registration page, as per the capstone requirements. Your registration form should be accessible on `localhost` right now.

Web Development 101 ⌄

Let's see how you can deploy the registration form you've built to GitHub pages.

1. Sign up for a GitHub account

Visit **GitHub** and create your account (if you don't have one already).

2. Sign in to your GitHub account, and create a new repository

Once you have signed in to your account, click the *plus* button at the top-right and choose the **New repository** option.
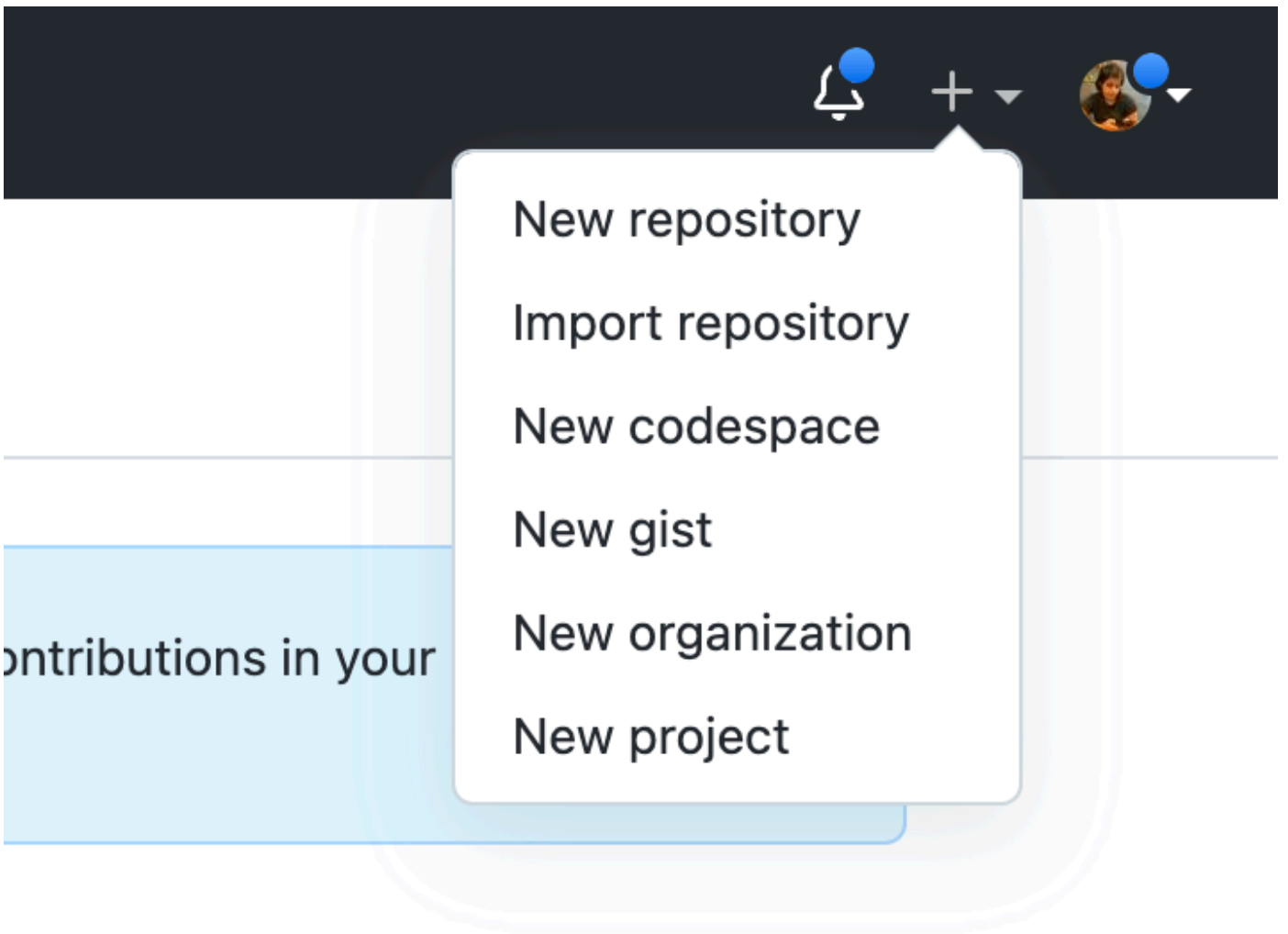
When creating a new repository - give it the name `wd101`. Make sure that you select the **Public** visibility setting, and instruct GitHub to initialize the repository by adding a `README.md` file as shown below.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner *

Repository name *

reenas ▾ / wd101 ✓

Great repository names are short and memorable. Need inspiration? How about musical-train?

Description (optional)

⦿ 📖 Public
Anyone on the internet can see this repository. You choose who can commit.

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

Initialize this repository with:
Skip this step if you're importing an existing repository.

☑ Add a README file
This is where you can write a long description for your project. Learn more.

Add .gitignore
Choose which files not to track from a list of templates. Learn more.

.gitignore template: None ▾

Choose a license
A license tells others what they can and can't do with your code. Learn more.

License: None ▾

This will set 🜉 main as the default branch. Change the default name in your settings.

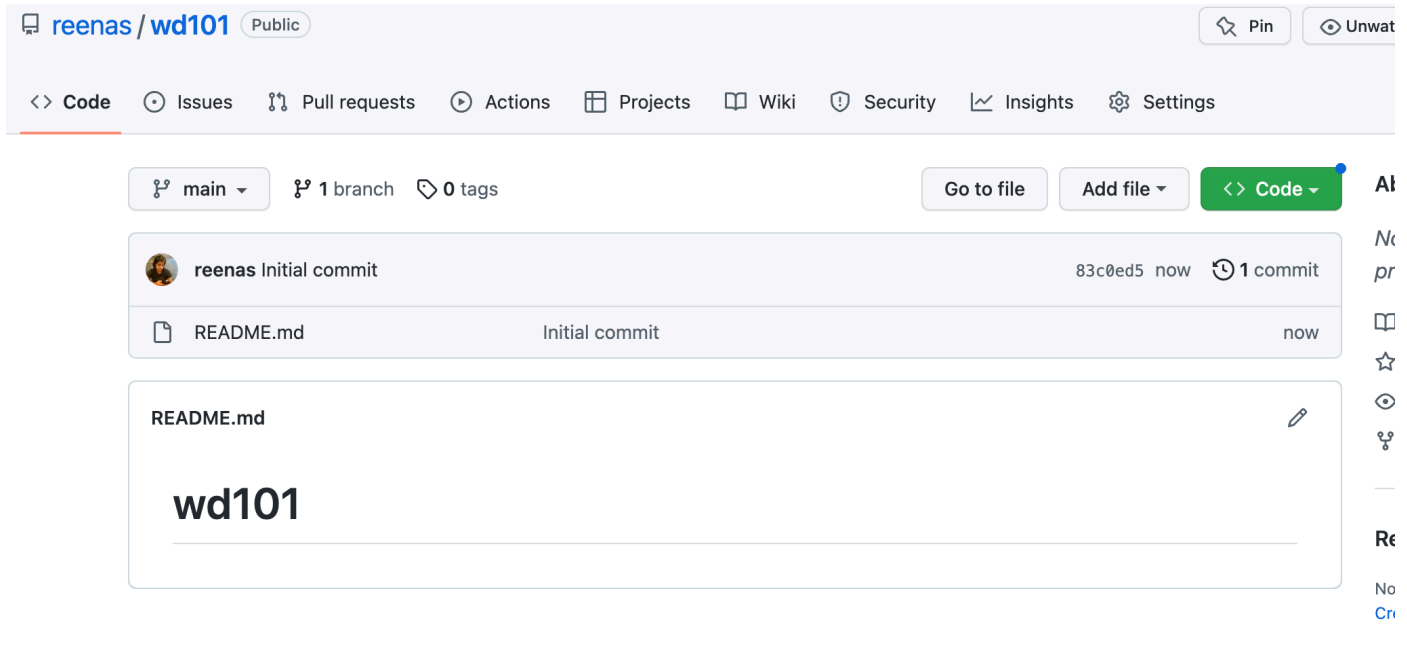ⓘ You are creating a public repository in your personal account.

Create repository

Make a public repository with a README.md file already inside it.

Click on the [Create repository] button and a new Git repository will be created for you with a [README.md] file within it.

At this point, you might be wondering what this Git, GitHub, and repository things are all about. We'll cover all of this in detail in WD201. For now, just follow along
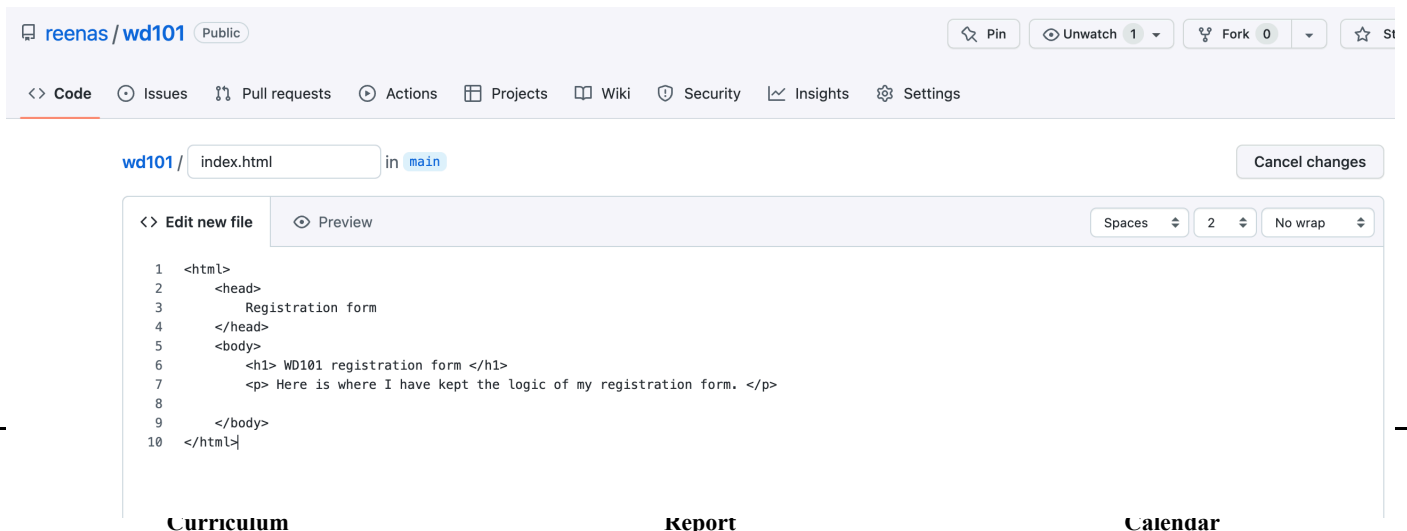
The new repository should look something like this.

3. Add an `index.html` file to your new repository

Click on the **Add file** dropdown button at the top-right of the repo, and select the **Create a new file** option. Name the new file `index.html` and copy the HTML code you've built for your capstone project (this *should* be the `index.html` file on your machine) and paste to this `index.html` file in your repo. Commit this file to the repo.

Note: Make sure that you name the HTML file created in the repo as `index.html`. This will ensure that your registration form is accessible at the *root* of the hosted GitHub pages site, later on.


```
1    <html>
2        <head>
3            Registration form
4        </head>
5        <body>
6            <h1> WD101 registration form </h1>
7            <p> Here is where I have kept the logic of my registration form. </p>
8
9        </body>
10   </html>
```

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These options should be left at their default when clicking the "Commit new file" button.

4. Similarly, add an `index.js` file (and any other files your webpage needs)

Similar to how you created the `index.html` file, create an `index.js` file and commit the content of `index.js` on your machine into this GitHub repo.

If you have other CSS files or images that you have used in your project, you can upload them to this repo by clicking on `Upload files` under `Add file`.

> **Important: Make sure your repo has `index.html` and `index.js` files at its root. These two files will be checked when you submit your work for review.**

5. Enable the GitHub pages feature to host your webpage

Go to the **Settings** tab, select **Pages** on the left, select the following options under the **Build and Deployment** setting as shown below, and then click the **Save** button.

Use these settings when enabling the GitHub Pages feature.

Wait for a bit for your GitHub page to go live and come back to your `wd101` repo and scroll down to find **Environments** on the right side. You will find one active `github-pages` entry there.

After enabling GitHub Pages, there will be a new entry under "Environments".

5. Click on the **github-pages** entry to go to **Deployment/History** and select **View deployment**. This should take you to a URL that looks like `https://USERNAME.github.io/wd101`.

The registration form you created will be visible on this page, and is now ready for submission in the capstone target.

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Registration form

WD101 registration form

Here is where I have kept the logic of my registration form.

6. In the Capstone submission, submit this URL under the deployed page and your `wd101` GitHub repo link. In this case, these two links will look like, `https://USERNAME.github.io/wd101/` (deployed URL) and `https://github.com/USERNAME/wd101` (GitHub repo).

Mark as read