

Time	~4 hours
Learning Goals	<ul style="list-style-type: none">• Practice HTML & CSS• Build a static website

Building a static website

Before you begin building full-stack websites (Bitly, Quora, Airbnb), it is crucial that you understand how static websites work. Static websites are served as it is, without connection to databases. This means its' files are served to the client (i.e. Chrome, Safari, Firefox) from the server (i.e. Github Pages) without complex computations or database querying.

As such, static websites appear the same to anyone visiting it, however dynamic websites serve content depending on the user visiting it.

By doing this challenge, you should have a better grasp of how front-end code works together. It will become clearer as you start building your Bitly Clone in the middle of the week.

As for now, focus on making your portfolio as cool as possible!

Getting started

Create a directory for your portfolio & navigate into it

```
$ mkdir <portfolio-name>
```

```
$ cd <portfolio-name>
```

Creating the HTML file

Create a HTML file and open it in your code editor

```
$ touch index.html
```

NOTE: *The file name must be called index.html for it to work on Github pages.*

Place the standard tags in (DOCTYPE, head, body)

```
<!DOCTYPE html>
```

```
<head>

<!-- Meta information goes here i.e. Website title, external resources (CDNs) -->

<!-- Note: Code written in the <head> will not be displayed on the website -->

</head>

<body>

<!-- Main body content -->

</body>

</html>
```

Now you may input some HTML tags into the body

```
<body>

<h1>Hello World</h1>

</body>
```

Try opening the index.html file using your browser

Creating the CSS file

Now that we have created the HTML file, we also want to have a CSS file to make visual changes.

```
$ touch stylesheet.css
```

Linking HTML & CSS

Place this code in the `<head>` of your HTML file.

```
<link rel="stylesheet" type="text/css" href="stylesheet.css">
```

To see if your HTML and CSS files are linked, try styling a HTML tag

```
h1 {  
  color: red;  
}
```

Start building your portfolio!

Now you should have all you need to start build your portfolio using HTML & CSS!

Here are ideas of things you can include in your portfolio:

- Basic info (name, email)
- Github account/ Social media links (Facebook, Twitter?)
- An avatar/picture

Resources: [HTML Documentation](#) [CSS Documentation](#)

Hosting your static website

We will be using Github Pages to host our static website. This will allow us to serve our portfolio on a free Github domain. I.e. <https://dkky.github.io>, <https://lirenyeo.github.io>, <https://cysheng.github.io/>

Step 1 : Create a Github Repository The repository must be named in this format `yourusername.github.io` I.e. `bobsmith.github.io`

Step 2 : Inside your portfolio directory, initialize git

```
$ git init  
$ git add .  
$ git commit -m "first commit"
```

Step 3 : Link your portfolio to your newly created Github repo

```
$ git remote add origin git@github.com:<Your Username>/<Your Username>.github.io.git
```

Step 4 : Push the portfolio onto Github

```
$ git push origin master
```

Step 5 : Check out your website! Go to <https://<Your Username>.github.io>

p.s. Sometimes, it will take a few minutes for Github to start hosting your website.

Want to make changes?

```
$ git add .
```

```
$ git commit -m "your commit message"
```

```
$ git push origin master
```

Conclusion

You now have a static website portfolio using only HTML and CSS. Feel free to share your link with your friends! :)

In the next challenge you will be implementing some JQuery onto your portfolio to make it more interactive!