

Multi-file Websites

We've made single page sites

Secure <https://codehs.com/editor/html/418752/162424/index.html>



Welcome to Calvin's Homepage



Hi! My name is Calvin, and I'm on a mission to learn as much as I can about computer science. That's why I'm taking [Web Design](#) with CodeHS!

I started off with learning **HTML** and **CSS**. That's how I made my very own homepage!

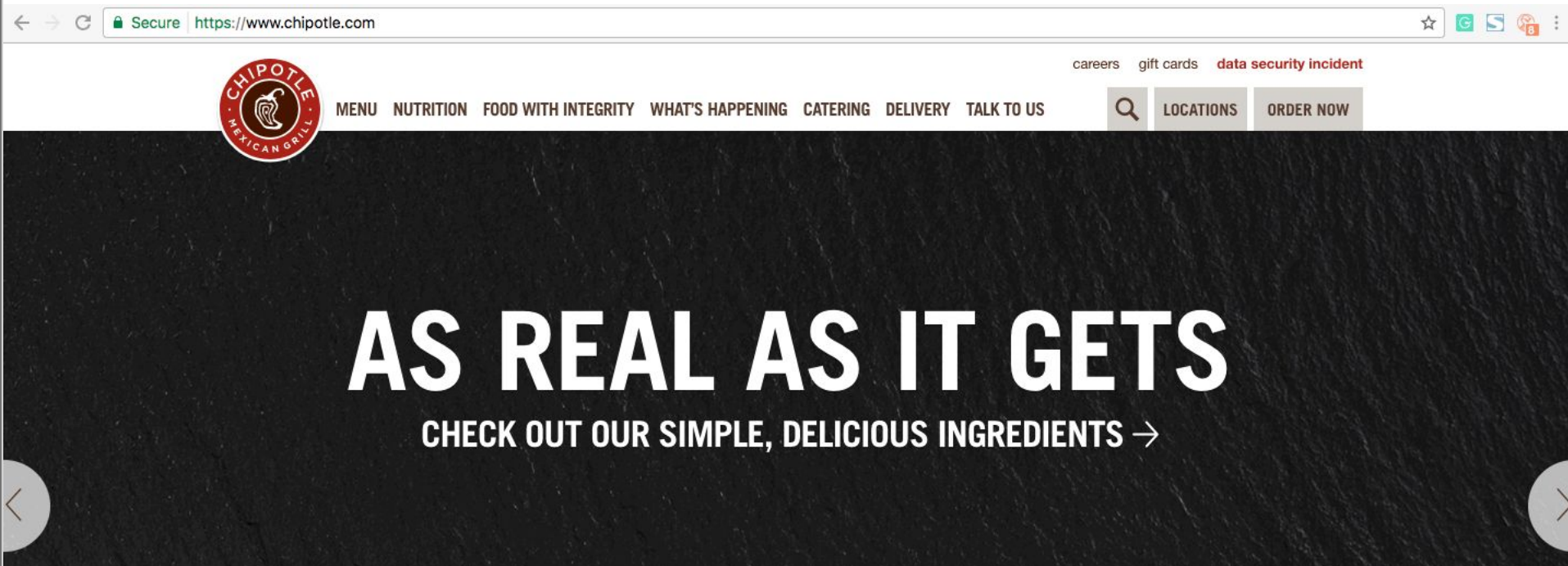
You can make your own homepage as well! Simply go to the CodeHS [Sandbox](#), and click the edit Homepage button:



Edit My codehs.me Homepage

Edit this program to create your own codehs.me website

Sites can have multiple pages!



Multi-page Websites

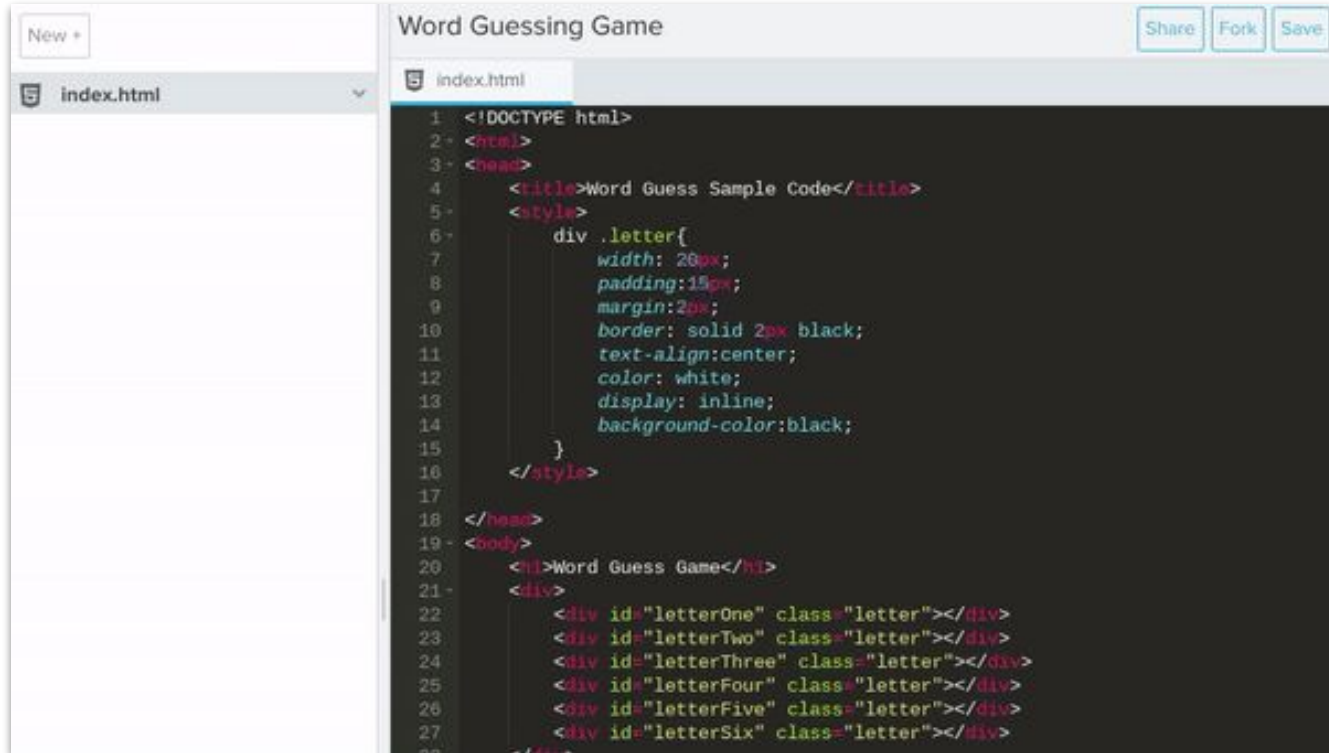
- Separate out content for the user
 - Avoid information overload
- Separate out coding logic for the developer
 - Keep the code for each page manageable

Splitting Across Files

In this lesson we'll cover:

1. Writing separate HTML files and linking them together
2. Writing a separate CSS file and applying it to an HTML file

Adding a File to your Site



The screenshot shows a web editor interface. On the left, a sidebar contains a 'New +' button and a file list with 'index.html'. The main editor area is titled 'Word Guessing Game' and contains the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Word Guess Sample Code</title>
5   <style>
6     div .letter{
7       width: 20px;
8       padding: 15px;
9       margin: 2px;
10      border: solid 2px black;
11      text-align:center;
12      color: white;
13      display: inline;
14      background-color:black;
15    }
16  </style>
17
18 </head>
19 <body>
20   <h1>Word Guess Game</h1>
21   <div>
22     <div id="letterOne" class="letter"></div>
23     <div id="letterTwo" class="letter"></div>
24     <div id="letterThree" class="letter"></div>
25     <div id="letterFour" class="letter"></div>
26     <div id="letterFive" class="letter"></div>
27     <div id="letterSix" class="letter"></div>
28   </div>
```

Buttons for 'Share', 'Fork', and 'Save' are visible in the top right corner of the editor.

Linking HTML Files

Files

index.html
about.html

index.html

```
<html>
...
  <a href="about.html">About</a>
...
</html>
```

about.html

```
<html>
...
  <a href="index.html">Home</a>
...
</html>
```

Linking HTML Files

Files

index.html
about.html

index.html

```
<html>
...
<a href="about.html">About</a>
...
</html>
```

about.html

```
<html>
...
<a href="index.html">Home</a>
...
</html>
```


Adding an External CSS File

Files

index.html
style.css

index.html

```
<html>
<head>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  ...
</body>
</html>
```

style.css

```
body {
  color: red;
}
```

Adding an External CSS File

Files

index.html
style.css

index.html

```
<html>
<head>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  ...
</body>
</html>
```

style.css

```
body {
  color: red;
}
```

Adding an External CSS File

This line in the `<head>` applies a given CSS file to the HTML file

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

Adding an External CSS File

This line in the <head> applies a given CSS file to the HTML file

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

Name of the file goes here

Adding an External CSS File

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

This is useful for several reasons:

- Separate out the code for structure (HTML) and style (CSS)
- Write CSS code **once** and apply it to several different HTML files!

Now it's your turn!
