

# Web Development Crash Course

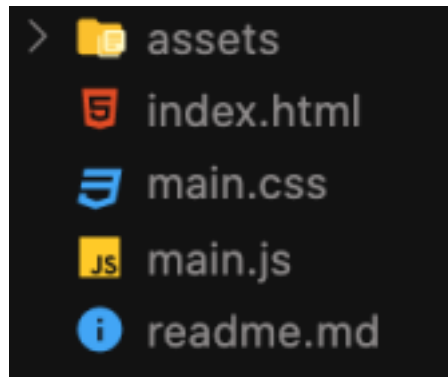
¡Hola! sí llegaste hasta acá quiere decir que vas a crear tu primera página web, aquí están algunas de las herramientas que estaremos utilizando!

- Antes de comenzar necesitamos un editor de texto puedes usar notepad o textedit pero yo recomiendo que descarguen [Visual Studio Code](#).
- [Generador de gradientes](#).
- [Generador de spotify](#).
- [Bootstrap](#).

**Hello! If you made it up until here, that means you are going to be creating your first webpage, here are some tools we will be using!**

- Before we begin we need a text editor, you can use notepad or textedit but I recommend that you download [Visual Studio Code](https://code.visualstudio.com/download) (https://code.visualstudio.com/download).
- [Gradient generator](https://cssgradient.io/) (https://cssgradient.io/).
- [Spotifygenerator](https://developer.spotify.com/documentation/widgets/generate/embed/) (https://developer.spotify.com/documentation/widgets/generate/embed/).
- [Bootstrap](https://getbootstrap.com/docs/4.5/getting-started/introduction/) (https://getbootstrap.com/docs/4.5/getting-started/introduction/).

First of all, we are going to create our files in our folder/directory our structure will be something like this:



**In our index.html file we will begin with something like this:**

## [index.html](#)

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
  <title>My First WebPage</title>
  <link rel="stylesheet" href="./main.css">
```

```

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
"
        integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
</head>
<body>
    Hello World!
    <script src="./main.js"></script>
</body>
</html>

```

As you can see there are 3 important lines we must understand here:

### Here we are making a reference to our css file

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

### Here we are referencing a bootstrap which is basically a css file with a bunch of utilities and tools that will help us a lot

```

html
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap
.min.css"
        integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

```

### Finally, we are creating the link with our JS file so that the visual part can communicate with the "Functional" part

```

html
<script src="./main.js"></script>

```

## Now we begin coding

### We will create a header with a greeting, our photo and a little bit of information about us, it is important that all of this is inside our body tag

```

[index.html] (index.html)
html
<---! We create a bootstrap container to keep an order --->
<div class="container mt-2">
    <---! Inside the containers we must divide everything in rows --->
    <div class="row">
        <---! Inside the rows we have to divide everything in
cols(columns) --->
        <div class="col text-center">
            <h1>Hello! My name is Diego!</h1>
        </div>
    </div>
</div>

```

```

    <div class="row">
      <div class="col text-center">
        <!--! Here we add an image, we must make sure that it is
saved in our "assets" folder on our project -->
        
      </div>
    </div>
    <div class="row mt-2">
      <div class="col-sm-12 col-md-6 offset-md-3">
        <p>I am a software engineer form Guadalajara, Mexico MX, I
like to practice CrossFit and eat tacos.</p>
        <div class="text-center">
          <!--! Here we have an anchor, this is a link to any
URL we want, what we did is to add an image inside the anchor so that
the image becomes the link -->
          <a href="https://instagram.com/deficts" class="mr-2"
style="text-decoration: none;">
            <!--! Here we use for the first time a css class
"social-icon", it is time to see a little bit of css -->
            
          </a>
          <a href="https://twitter.com/deficts" class="mr-2"
style="text-decoration: none;">
            
          </a>
          <a href="https://github.com/deficts" style="text-
decoration: none;">
            
          </a>
        </div>
      </div>
    </div>
  </div>
`

```

**We continue with some CSS, the icons that we added look probably too big and besides the white background is not that welcoming, let's take care of this**

- Let's go to the [Gradient generator](https://cssgradient.io/) (https://cssgradient.io/) Let's play with the tool and copy the result below.

```

[main.css] (main.css)
css
/*
    We will give our body a gradient since this is what wraps up the
whole page
*/
body{

```

```

        background: rgb(161,255,160);
        background: linear-gradient(180deg, rgba(161,255,160,1) 36%,
        rgba(237,186,186,1) 92%) fixed;
    }

    /*
        We create the class social-icon so that all our icons have the
        same size
    */
    .social-icon{
        max-height: 30px;
    }
    ...

```

## Time to improve our webpage

- Let's go to [Spotify generator](https://developer.spotify.com/documentation/widgets/generate/embed/)

(<https://developer.spotify.com/documentation/widgets/generate/embed/>) Let's follow the tutorial and select our current favorite song and our all time favorite song.

```

[index.html] (index.html)
```html
<!-- We keep creating rows wrapped up in our "container" mb-4:
bootstrap class to ass a margin bottom --->
<div class="row mb-4">
    <!-- We create a column of size 6 in medium screens and size
    12(full) for small screens--->
    <div class="col-md-6 col-sm-12">
        <!-- We have a new css class called "letter" --->
        <div class="letter text-center">
            <!-- We create a tile --->
            <h4> Listen to my current favorite song:</h4>
            <!-- We add the snippet code generated by spotify --->
            <h4> Listen to my current favorite song:</h4>
            <iframe style="margin: 0 auto;"
src="https://open.spotify.com/embed/track/1yoMvmasuxZfqHEipJhRbp"
            width="300" height="80" frameborder="0"
allowtransparency="true"
            allow="encrypted-media"></iframe>
        </div>
    </div>
    <!-- We repeat with another column--->
    <div class="col-md-6 col-sm-12">
        <div class="carta text-center">
            <h4> Listen to my all time favorite song:</h4>
            <iframe
src="https://open.spotify.com/embed/track/0f5B2p63SHBNHxuBzIr9qQ"
            width="300" height="80"
            frameborder="0" allowtransparency="true"
allow="encrypted-media"></iframe>
        </div>
    </div>
</div>

```

## **Our columns look very plain, let's create the letter class in our css**

```
[main.css] (main.css)
css
/*
    We add a light background color, round borders with border-radius
    and a shadow with box-shadow
*/
.letter{
    margin-top: 16px;
    background-color: #f4f4f4;
    border-radius: 20px;
    padding:10px;
    box-shadow: 0 0 20px 1px;
}
```