



Hi,

Welcome to Week 2 of the FNB App Academy!

In week 1, you took your first steps towards building apps with HTML. You learned how to set up a development environment and start building a project from scratch. Now let's work on making your project beautiful!

In week 2, you'll be introduced to CSS, the language used to add style to your apps. You're going to learn how to change fonts, add colors and include hover effects in your apps. Finally, you'll combine this with what you've learned in week 1 to create your first complete app.

Make sure to complete all of this weeks lessons before next weeks lessons are sent out in order to avoid falling behind.

Let's jump straight in!

Join the Live Lectures

The live lectures for the App Academy will be streamed every Tuesday and Friday, from 11:00 to 13:00. Tune in on the App of the Year website or YouTube channel:

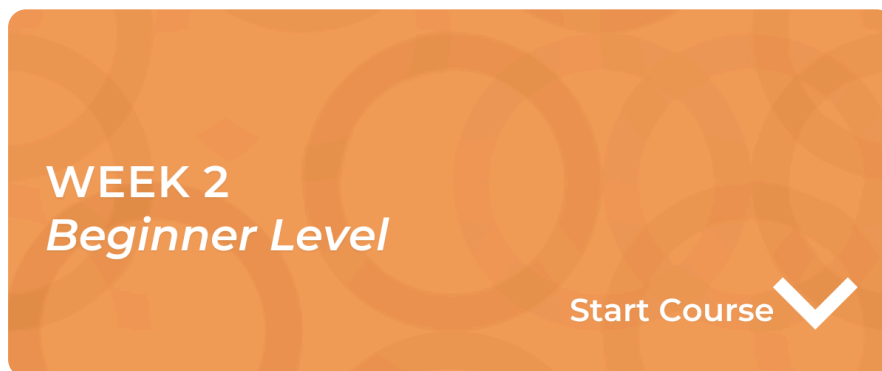
Tune in on the App of the Year site

Tune in on YouTube

Recordings of these sessions will be made available on these platforms as well.

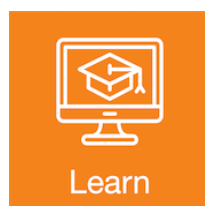
Note: Make sure you have completed Week 1. Missed it? Click the button below for access

FNB App Academy Week 1



Tips to make the most of this lesson

1. Watch all the videos once
2. Watch them a second time
3. In the second time, follow as you learn



SECTION 1

GETTING STARTED WITH CSS



Lesson 1

Introduction to CSS



What is CSS?

Cascading Style Sheets, or CSS, is a simple design language that we use to make web pages beautiful and presentable.

Using CSS, you can set the colours, fonts and background images.

CSS is different from HTML, and they both serve completely different functions. Using HTML you create the structure of your page, and with CSS you add colors and styles to your page.

Benefits of CSS

- CSS helps your pages load faster

- CSS saves time
- CSS makes maintaining a site easy



Lesson 2

External CSS File



This lesson will teach you how to style your pages using a Cascade Style Sheet. All the styling information for your website or app will live in a file called **style.css**.

First, you need to create a **style.css file**.

Next, you need to link it to your **index.html** file. This is done using the code in the box below. Remember that the line goes between the **<head>** tags.

HTML Code:

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

CSS Code:

```
h1{
color: green;
}
p{
```

```
color: coral;  
}
```



Lesson 3

CSS Fonts



This lesson will teach you how to set fonts in your app or website using CSS. You can set the following font properties of an element. The font-family property is used to change the face of a font.

Code:

```
h1 {  
  font-family: sans-serif;  
}  
p {  
  font-family: fantasy;  
}
```



Lesson 4

List Bullet



The CSS list properties allow you to set different list item markers for ordered lists. The type of list item marker is specified with the `list-style-type` property.

Code:

```
ul {  
  list-style-type: circle;  
}  
ol {  
  list-style-type: upper-roman;  
}
```



Lesson 5

List Bullet Image



How do you do this?

You can make your lists look like the one above by using the `list-style-image` property.

Using `list-style-image` is similar to adding an image onto your page:

First, you need an image in your images folder that will be your bullet.

Next, you type the link to the image into your stylesheet.

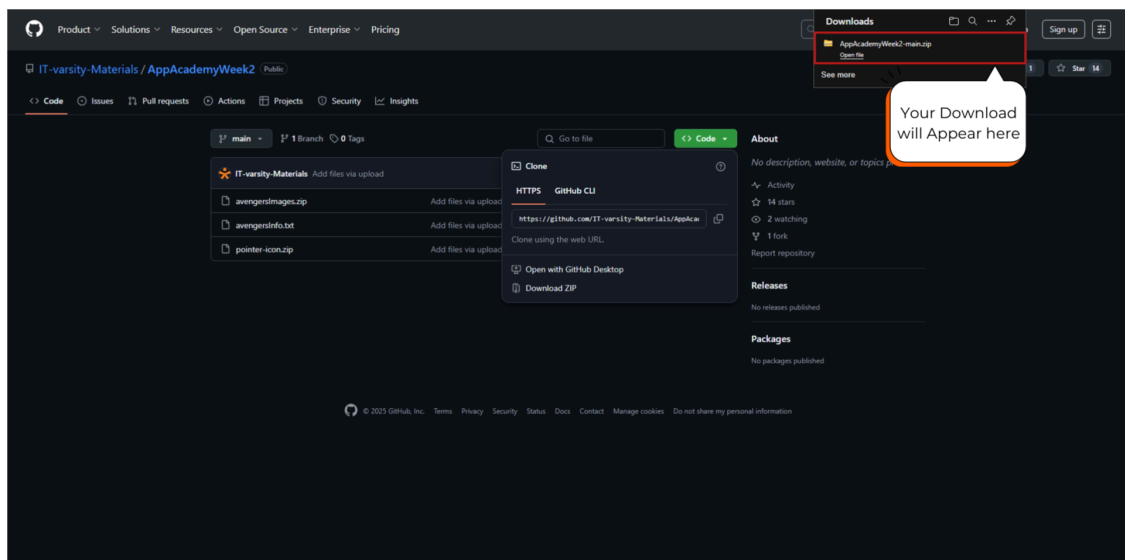
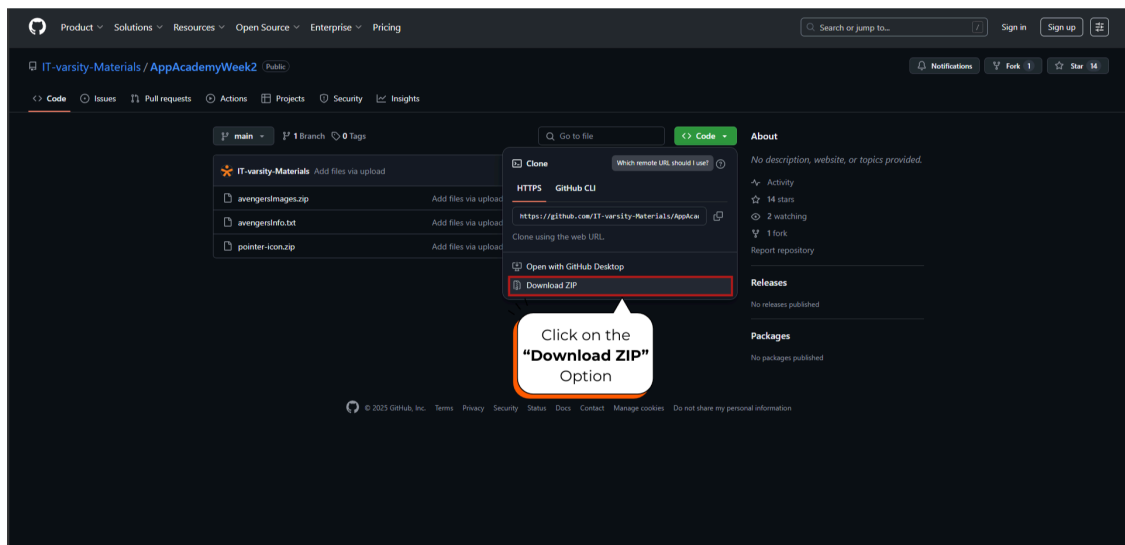
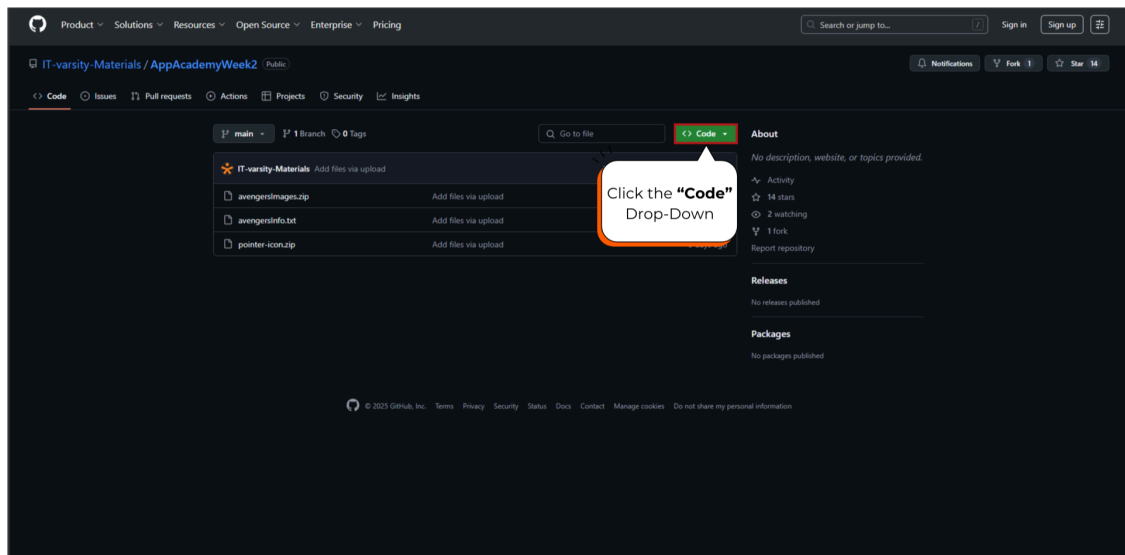
You also need to remember that your image needs to be small enough to serve as a bullet.

Code:

```
ul{  
  list-style-image: url('images/pointer-icon.png');  
}
```

[Download the Pointer Image](#)

Tip: How to download files from GitHub



Lesson 6

Making a Beautiful Menu Bar



In this lesson, we are going to add some style to our hyperlinks.

HTML Code:

```
<body>
<a href="index.html">Home</a>
<a href="#">About</a>
<a href="#">Contact</a>
</body>
```

CSS Code:

```
a{
font-family : Helvetica, sans-serif;
text-decoration : none;
background-color: aquamarine;
padding : 5px;
}
a:hover{
background-color: aqua;
color : #ffffff;
}
```



Lesson 7

Working with Div Boxes



We have a problem!

In the previous lesson, we made some awesome menus, and that's super. But this has created a bit of an issue. You see, in that lesson, we styled our hyperlinks to look like menu buttons, but now all the hyperlinks on our page, even those that are not in the menu, look like buttons :-(

How do we fix this?

We can fix this using a **div** box. A div box acts like a container on your page. It limits styles to a specific area on the screen and prevents these styles from being applied elsewhere.

We add a DIV box to our page using the **<div>** tag.

The **<div>** tag must be given an id or a class name. Our CSS will identify a div box by its id or class name.

In the stylesheet we can refer to a div box with a specific id using the **#** key.

HTML Code:

```
<div id="menu-bar">
<a href="index.html">Home</a>
<a href="#">About</a>
<a href="#">Contact</a>
</div>
```

Code:

```
#menu-bar a{
font-family: Helvetica, sans-serif;
text-decoration: none;
background-color: aquamarine;
padding: 5px;
}
```

```
#menu-bar a:hover{  
background-color: aqua;  
color: #ffffff;  
}
```



Lesson 1

Setting up



We are now going to start making our Avengers App.
The first thing we need to do is to create our workspace.
You can download the images for the app from the link below.

Download the Avengers Images Here



Lesson 2

Adding Images



We are now going to add the Avengers images to the home page of our app.
A quick recap:

- Images are defined with the **** tag.
- The src attribute defines the location of the image.

Code:

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="gallery">






</div>
</body>
</html>
```



Lesson 3

Resizing the Images



In this lesson you will learn how to give an image a full-screen width. We will do the styling on our stylesheet.

Code:

```
.gallery img{  
width: 100%;  
}
```



Lesson 4

Adding an Avenger Bio Page



In this lesson we will make a new page for Thor, and link to it from the home page.

In the Thor page we will lace bio info about him.

Code:

```
<body>
<h2>Thor</h2>
<div class="gallery">

</div>
<h4>Bio</h4>
<p>Full Name: Thor Odinson</p>
<p>Place Of Birth: Asgard</p>
<p>Alignment: Good</p>
<p>Gender: Male</p>
<p>Race: Asgardian</p>
<br/>
<h4>Power Stats</h4>
<p>Intelligence: 69%</p>
<p>Strength: 100%</p>
<p>Speed: 92%</p>
<p>Durability: 100%</p>
<p>Power: 100%</p>
<p>Combat: 85%</p>
</body>
```



Lesson 5

Making the Text Bold



In this short and easy lesson we are going to make each line-heading bold. We will use `` tags.

You can also use the `` tags in place of the `` tags.



Lesson 6

Adding More Pages



In this lesson we will add more Avenger Bio pages into our app.

To start off, we will need to create 5 new files:

- avenger-2.html
- avenger-3.html

- avenger-4.html
- avenger-5.html
- avenger-6.html

We will then populate each of these files with bio info about each Avenger. Finally, we will link each Avenger image in the home screen to the right page, just like we did for Thor.

Code:

```
<div class="gallery">
<a href="avenger-1.html"></a>
<a href="avenger-2.html"></a>
<a href="avenger-3.html"></a>
<a href="avenger-4.html"></a>
<a href="avenger-5.html"></a>
<a href="avenger-6.html"></a>
</div>
```

Download the Avenger Bio Information Here



Lesson 7

Adding a Menu Bar



In this lesson we will add a beautiful menu bar to the top of our page. We start by adding a div box that contains some hyper links:

HTML Code:

```
<div id="menu">
<a href="#">Home</a>
<a href="#">About Us</a>
<a href="#">Contact</a>
</div>
```

CSS Code:

```
#menu{
width:100%;
height:40px;
background-color: cornflowerblue;
padding-top: 12px;
}
#menu a{
color:#ffffff;
font-family: Helvetica, sans-serif;
font-size: 18px;
text-decoration:none;
font-weight: 800px;
padding-left: 20px;
padding-right: 20px;
}
#menu a:hover{
color: #5077bd;
}
```



Lesson 8

Adding "About" and "Contact" Pages



First, we create 2 new files: about.html and contact.html .

Next, we populate these with some data.

Finally, we add links to them in our menu bar.

That's a wrap for this week. Until next week, keep embracing the power of technology!

If you have any questions or need assistance, please don't hesitate to reach out to our support team at AppAcademy@itvarsity.org

Happy learning.

IT varsity Team

What's Happening next in the world of tech🌐?

Be sure to check out your inbox next week to find out.



ITvarsity

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