

# CSEA Web Dev BootCamp

## Lesson 1:

### Git and Github Basics

#### What is Github?

GitHub is a code hosting platform for collaboration and version control. GitHub lets you (and others) work together on projects.

It is a cloud-based service that helps developers store and manage their code, as well as track and control changes to their code.

To understand exactly what GitHub is, you need to know two connected principles:

- Version control
- Git


#### What is Version control?

Version control helps developers track and manage changes to a software project's code. As a software project grows, version control becomes essential. Version control lets developers safely work through branching and merging. With branching, a developer duplicates part of the source code (called the repository). The developer can then safely make changes to that part of the code without affecting the rest of the project.

#### What is Git?

Git is a distributed version control system, which means that the entire codebase and history is available on every developer's computer, which allows for easy branching and merging.

To understand more about Git and Github check out these articles:


- [Introduction to Git | The Odin Project](#)
-  [Git and GitHub for Beginners Tutorial](#)
- [Intro to Github by Github](#)

## Lesson 2:

# HTML and CSS


HTML and CSS are the most fundamental tools for making a webpage. They are the backbone of the internet. HTML is the raw data that a webpage is built out of. All the text, links, cards, lists, and buttons are created in HTML. CSS is what adds style to those plain elements. HTML puts information on a webpage, and CSS positions that information, gives it color, changes the font, and makes it look great!

Let us start with the basics of HTML:

- [HTML and CSS | Kevin Powell](#)
- [HTML: HyperText Markup Language | MDN](#)
-  [HTML Crash Course For Absolute Beginners](#)

The next step to learning is to get to know about the basics of CSS. HTML alone without CSS is like a body without face. CSS is an absolute necessity for a website to look good.

Let us start with CSS now:


-  [CSS Crash Course For Absolute Beginners](#)
- [CSS Foundations | The Odin Project](#)
- [W3.CSS Home](#)
- [CSS layouts](#)

## Lesson 3:

### JavaScript

Javascript is the component of a webpage which gives it life. In simple words javascript is a scripting language which allows us to give live components to the webpage such as dropdown menu and accessing local storage and many other exciting applications. Javascript is the interactive part of a website whereas HTML and CSS focus on the user interface. On top of that javascript has access over the html elements hence providing complete control over changing the attributes of a webpage depending on any detail ranging from clicking a button or by the result of the calculation that the user did!!.

Here are some resources to get started with JavaScript:

-  Learn JavaScript - Full Course for Beginners
- [W3.JS Home](#)

\*\*Mozilla Developer Network (MDN) JavaScript Guide - [JavaScript Guide](#)

Anything (HTML,CSS,JS) can be referred in the MDN website