



HTML CSS and JavaScript

for Beginners

Web Design Course

How the internet works

- Web pages are written using HTML, Hypertext Markup Language. Set of instructions on what content should be rendered out as well as basic structure of that content.
- The Web browsers render the page according to the HTML code
- CSS allows for styling and customized look and feel with your HTML code
- JavaScript lets us create dynamic interaction and able to manipulate html elements using the Document object model



Resources and Setup

You need somewhere to write the code,
and be able to save files.

‘editor’

You need somewhere to view the code,
that renders out the file.

‘browser’



Editor

Lots of editors

Brackets.io

- Free open source editor
- Adobe product
- We use it in the course
- Have live view
- Code hints



Browsers

In the course we are using Chrome
because of Chrome DevTools



HTML Section

Course covers *everything* you need to know about HTML

- Basic syntax - all the common tags used to develop web content
- How and where you can write HTML - top resources and links included
- Learn about HTML structure within web pages
- Explore HTML5 semantic elements
- Build your own HTML template
- Create HTML lists, hyperlinks, and add images
- Build tables for even more HTML structure
- Create Forms with in depth form examples and HTML tag explanations
- Add iframes and more cool HTML elements
- Create your own mini HTML site using only HTML



CSS Section

Course covers *everything* you need to know about CSS

- Find the top resources and links to help you learn
- The basics of styling
- How to use Classes and ID to select elements
- Explore ALL the colors for fonts and backgrounds
- Move content display properties
- Learn how to apply styling to common HTML like Lists, Tables, and more
- Everything you need to style your text and make it look fantastic - including Google Fonts
- Floats to position elements and content
- The BOX MODEL - padding, margins, border, height, and width for each element
- CSS positioning
- Working with Hyperlinks and making it look good
- CSS Pseudo Class



JavaScript Section

Course covers *everything* you need to know about JavaScript

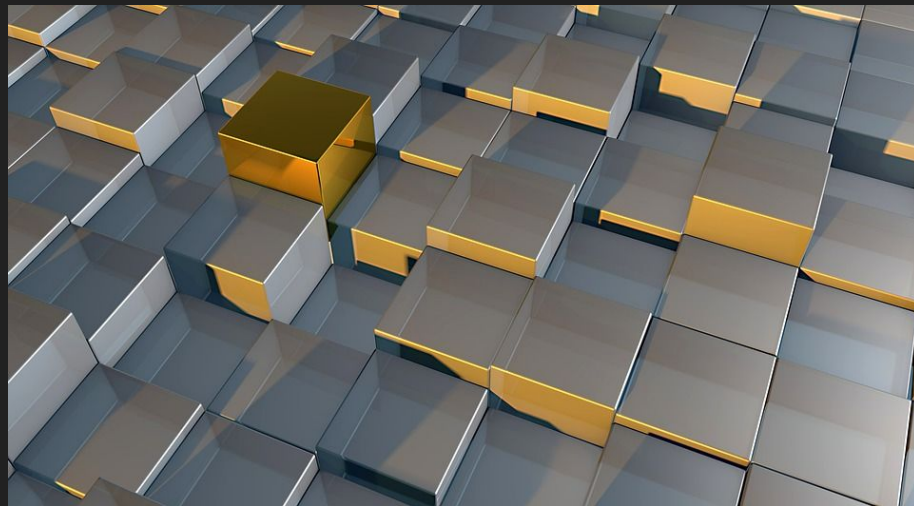
- explore how to write JavaScript basics
- Data types the building blocks of coding
- Using Variables to hold data
- Functions invoking blocks of code
- JavaScript operators and assignment syntax
- JavaScript Objects and Arrays
- Conditions and Switches to apply logic
- Loops and iterating through data
- Arrays and array methods
- Document object to manipulate HTML element content
- all this and much more



JavaScript Document Object Model DOM Section

Course covers *everything* you need to know about JavaScript Document Object Model DOM

- Selecting elements within the DOM
- Manipulating element content and text output
- Adding styling and classes using JavaScript
- Event Listeners to add user interaction to your web content
- Building and creating elements with JavaScript
- Build an interactive list project from scratch



AJAX and JSON Section

Course covers *everything* you need to know about JSON and AJAX

- What JSON is and how it works
- Links and top resources for JSON and JavaScript
- JavaScript Objects and JSON how they work and how you can use JSON within JavaScript code
- Array objects and objects that contain arrays and more
- How to iterate through all the JSON data objects and output them into your HTML page
- Challenges in lessons with step by step solutions
- JavaScript JSON methods
- Local Storage to store JSON data
- Using JavaScript Fetch to retrieve JSON data and responses
- All this and much more



jQuery Section

Course covers *everything* you need to know about jQuery

- explore how to write jQuery basics
- how to select elements to apply manipulations too
- learn about applying style and classes
- adding effects to elements like hide and show
- make you web page come to life with animations and effects slide, fade and animation
- create interaction with your page using event listeners like mouse events and keyboard events
- use AJAX to connect to JSON data to easily populate content into your page
- all this and much more



Loaded with EXAMPLES and SOURCE CODE

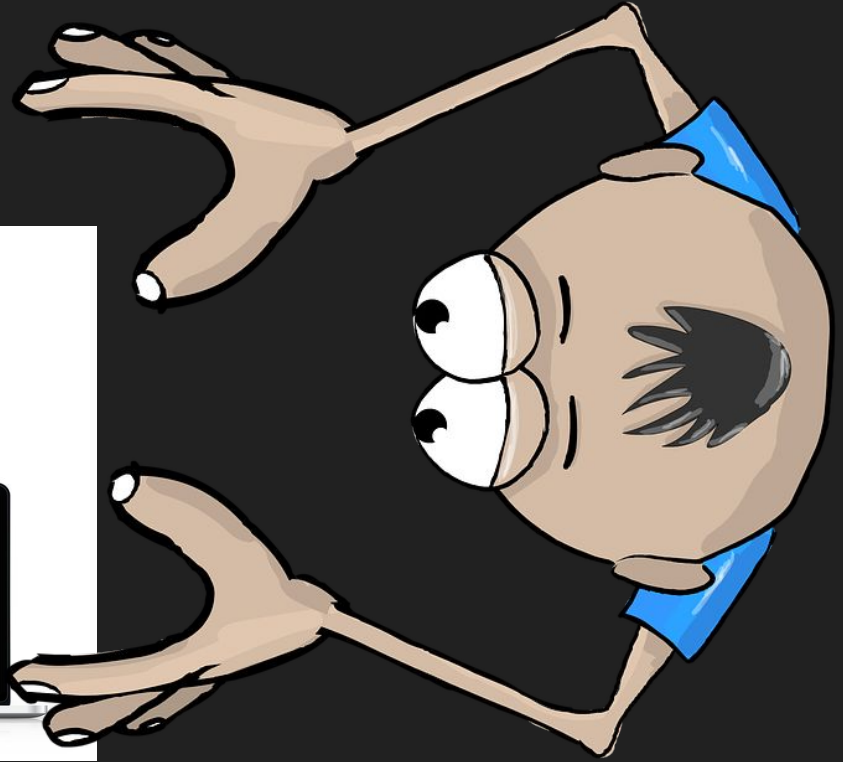
How to download source code

Try the code out yourself



Tools and resources

Everything you need is included



Help is not far away

Don't forget the Q&A section

I'm always happy to help you.

