

Comit

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Introduction to programming

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Course syllabus

Introduction to programming

Module 1

About me (intro)
What you'll need, but not required..
How to get help?
In this course (What you'll learn)
History of the internet
How does the internet work?
How does the internet work (cont)
What happens when you surf the internet?
What project do you want to make?
Let's get started, Question and answer period!

Module 2

Intro to html
What is an html tag?
What we will build?
What is a html boilerplate?
Anatomy of HTML
HTML Lists
HTML image elements
HTML Links and Anchor tags

Module 3

- User experience
- Website layout
- Folder topology
- Planning out your site
- Intro to CSS
- Inline CSS
- Internal CSS
- External CSS
- Debugging CSS

Module 4

- HTML DIV's
- The box model
- Static, Relative and Absolute positioning
- Centring elements with CSS
- Basic concepts of Flexbox
- Intro to Bootstrap

Module 5

- Intro to Javascript
- Short history
- Naming conventions
- Adding JavaScript to a website
- Formatting code
- Theory start ===
- Variables
- Variable datatypes
- let, var, const
- Comments
- Strings
- Concatenation
- Expressions and operators
- Operator logic
- Functions
- Events

DOM API features
Loops

Module 6

Control statements using If-Else Conditionals and Logic
Conditional ternary operators
Comparators and Equality
Combining Comparators
Working with Arrays
While loops
For loops
The DOM

Module 7

The BOM
Selecting HTML elements with Javascript
Changing HTML with Javascript
Manipulating Text and content property
Manipulating HTML elements
Intro to JQuery
How to add JQuery to websites
Selecting elements with JQuery
Manipulating Styles and text with JQuery
Adding Event listeners with JQuery

Module 8

Starting your project
Using Replit
Back to Bootstrap
Introduction to React and other frameworks
Other online platforms