

Web Development Bootcamp.

TAUGHT BY

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COURSE LENGTH

12 Weeks

COURSE FEE

\$18,000

SYLLABUS

THE COMPLETE WEB DEVELOPMENT BOOTCAMP



APP BREWERY

www.appbrewery.com

WEB DEVELOPMENT FUNDAMENTALS

- Understand how websites work and how HTML, CSS and JavaScript contribute.
- Understand how the internet works and how websites are served.
- Learn to use git, GitHub and version control.
- Learn key troubleshooting and debugging skills to apply to your projects.

HTML 5

- Learn the anatomy of HTML syntax to structure your websites.
- Understand the HTML boilerplate and HTML doctypes.
- Understand indentation and nesting in HTML code.
- Learn to use HTML tags to structure headings, paragraphs.
- How to structure HTML lists to create unordered and ordered lists.
- How to insert images using HTML
- How to create hyperlinks using anchor tags.
- Create multi-page websites.
- Learn HTML best practices.

CSS 3

- Understand what are cascading style sheets and how you can use it to style your website.
- How to use CSS selectors and properties.
- Learn about how to use inline, internal and external CSS.
- Understand CSS coding best practices.
- Learn about CSS specificity and inheritance.
- Learn and understand the CSS Box Model.
- Learn to use developer tools to inspect and diagnose CSS.
- Learn about CSS positioning and display properties.
- Learn about font styling using CSS and web safe fonts.
- Implement responsiveness using CSS media queries.
- How to use CSS float and clear properties.
- How combine CSS selectors and understand selector priority.

FLEXBOX

- Learn about why flexbox was introduced to CSS.
- Understand what happens when display is set as flex.
- Understand flex direction and how it affects layout.
- Learn to use align and justify for layout of child items
- Understand how child items are sized and distributed in a flexbox and use the flex shorthand property.

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GRID

- Learn about how grid is different to flexbox and their strengths and weaknesses.
- Understand what happens when display is set as grid.
- Learn how grid sizing is done and how to create and arrange a grid.
- Learn to position items in a grid and how placement across rows and columns is done.
- Learn to use grid in combination with flexbox to create complex layout using native CSS.

BOOTSTRAP

- Understand the difference between native CSS tooling and external frameworks.
- Learn to install the Bootstrap framework into your website.
- Understand the Bootstrap 12 column layout system.
- Learn to use Bootstrap components such as buttons, carousels, cards and navigation bars.
- Accessing and incorporating designer icons from Bootstrap.
- Find and use bootstrap code snippets, examples and pre-built templates to quickly created beautiful mobile-first websites.

WEB DESIGN

- Learn the fundamental principles of web design, UI and UX.
- Understand colour theory and how to choose and use modern colour palettes to make your website look professional.
- Understand modern typography and choose free-for-commercial use typefaces to make your website user friendly and stylish.
- Learn to manage user attention using the key principles of User Interface (UI) design.
- Learn to design user friendly websites by understanding User Experience (UX) design.

DOCUMENT OBJECT MODEL (DOM)

- Learn the tree structure of HTML based websites.
- Traverse through the document using object notation.
- Separation of concerns and coding best practices.
- Manipulate and change the HTML elements using your understanding of the DOM.