



Lux Academy

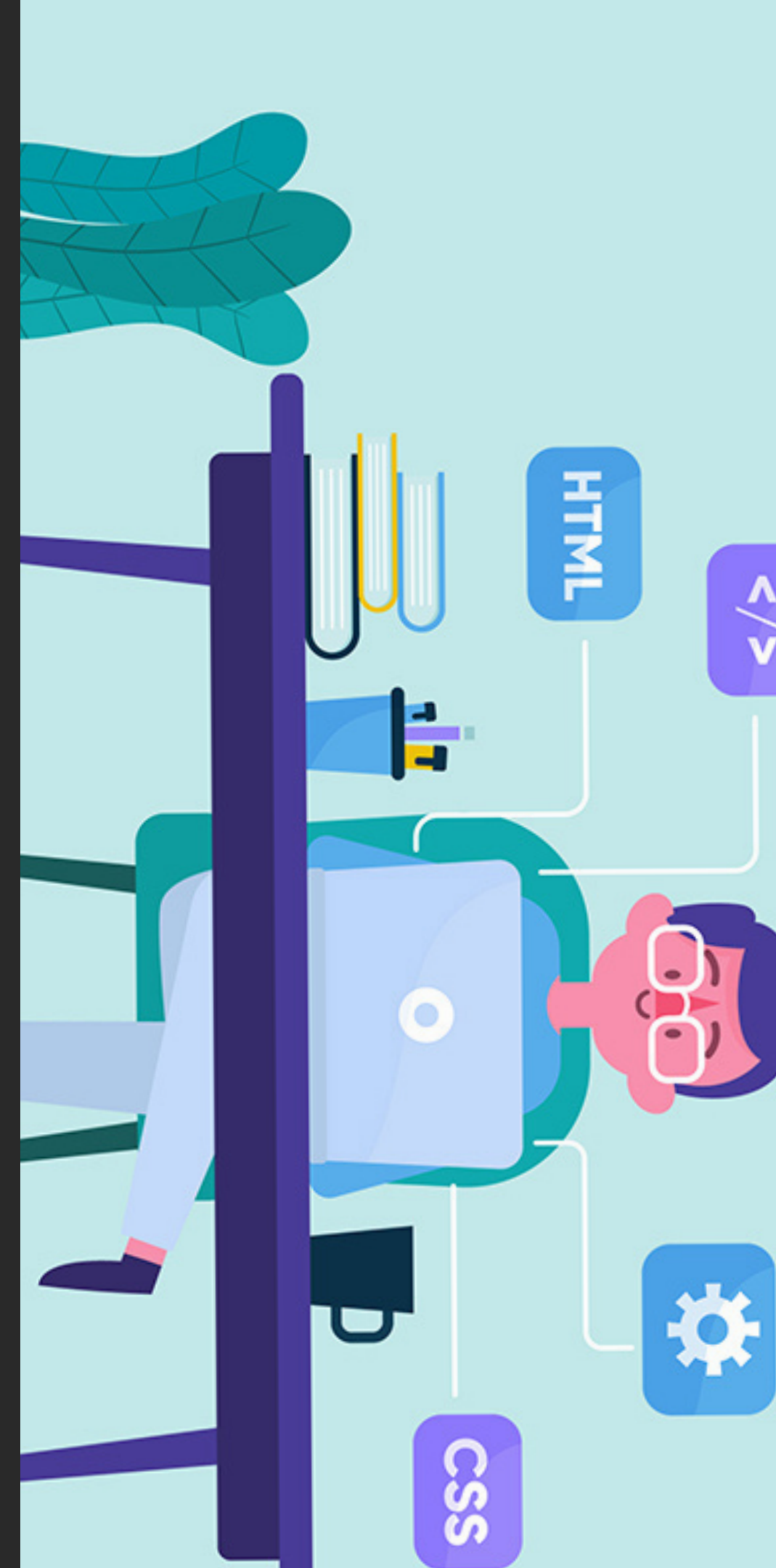
FRONT END WEB DEVELOPMENT BOOT-CAMP



code knows no boundaries

This is the first part of the boot camp with emphasis on:

- What are web apps and the core building blocks of a web apps.
- What is front-end web development and tools for a front-end web developer





HTML5 & CSS BASICS

This is the Second part of the front-end boot camp designed to give a solid understanding to what is web pages/app, and HTML5 and CSS basic understanding



WHAT YOU WILL LEARN:

- How to write a webpages.
- Concepts of a markup language
- Basics of HTML5 and CSS.
- Page layout and flexbox.



HTML5:

- Basic introduction to HTML5, CSS AND JavaScript.
- Elements tags and Attributes
- Character encoding
- Attributes
- Semantics meaning
- Images
- Hyperlinks
- Tables
- Multimedia
- Embedding content.
- HTML5 tricks
- CSS basic syntax
- CSS properties

CSS FUNDAMENTALS

This part is designed to give a solid CSS understanding

```
hover,  
text:active,  
er-text:focus {  
ound-color: #f1f1f1;  
er-radius: 3px;  
-shadow: 0 0 2px 2px rgba(0, 0, 0, 0.6);  
ip: auto !important;  
olor: #21759b;  
display: block;  
font-size: 14px;  
font-size: 0.875rem;  
font-weight: bold;  
height: auto;  
left: 5px;  
ine-height: normal;  
dding: 15px 23px 14px;  
t-decoration: none;  
5px;  
auto;  
100000; /* Above WP toolbar
```



WHAT YOU WILL LEARN:

- Basic selection of CSS properties.
- Fundamental CSS selection.
- Designing page layout through relative position in CSS



CSS

- What is CSS and why is CSS important?
- HTML5 review.
- CSS overview.
- Building a CSS rule.
- Attaching CSS to HTML using selectors.
- Applying styles using CSS properties.
- Using HTML classes and IDs
- CSS pseudo classes
- Combining selectors in CSS
- Floating and element display
- CSS flexbox
- CSS Grid
- Relative positioning.
- CSS Tricks

INTRODUCTION TO JAVASCRIPT

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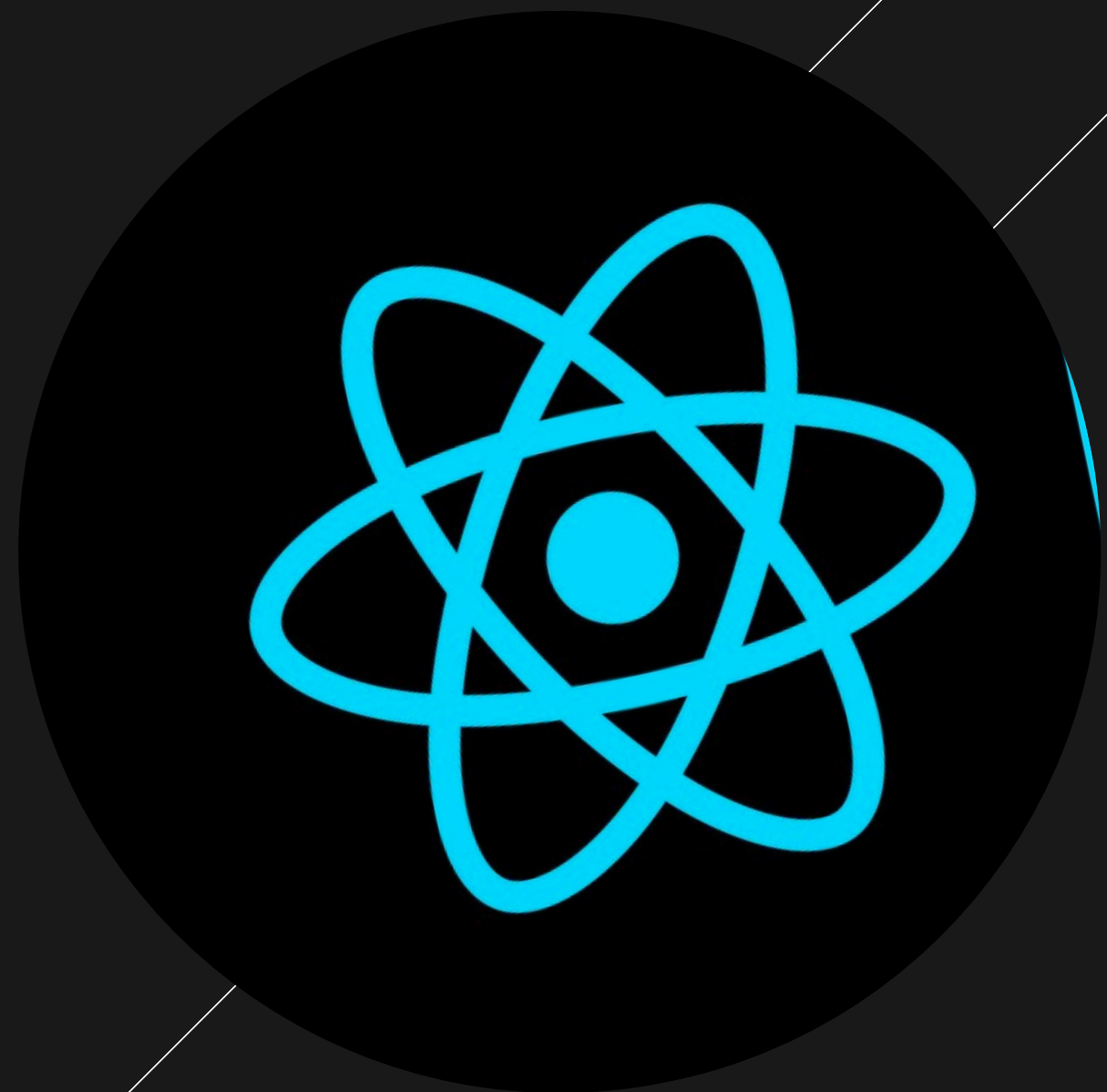
WHAT YOU WILL LEARN:

- How to add JavaScript code in your web app and how to debug it.
- How to make interactive websites through the DOM API.
- How to change the styles of HTML5 elements from JavaScript.
- How to make basic graphics and animation using HTML5 canvas



JAVASCRIPT

- JavaScript overview.
- JavaScript data types
- Variables values, functions, operators and expressions.
- Conditional statements, loops and Logical operators.
- Functions and callbacks.
- Handling events.
- The DOM API.
- Template literals.
- This keyword.
- Spread and rest operators.
- De-structuring assignments.
- Arrow functions.
- JavaScript modules and classes in ES6.
- Ternary operators in JavaScript.



INTRODUCTION TO REACT

REACT JS

- Introduction to reactjs
- Basic JavaScript topics to understand before getting started with Reactjs
- Introduction to JSX
- Rendering Elements
- getting started with react components
- Introduction to props and start.
- Understanding functional and class based components.
- Components life-cycle in Reactjs
- Handling Events in Reactjs
- Conditional rendering in Reactjs
- Introduction to list and keys in react js
- Forms and form input handling in reactjs
- Understanding REF in reactjs
- Reactjs tricks.



INTRODUCTION TO ANGULAR

CAPSTONE PROJECT

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**FRONTEND WEB DEVELOPER
MOCK INTERVIEW.**

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