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NextGen Academy

Week	Module	Module Breakdown
1	0 - Writing PseudoCode	Problem solving strategies
	1 - Introduction to Programming	Variables Arithmetic Operations Strings
	2 - Introduction to Git & GitHub	What is Git? How to Install Git on Windows, Linux and MacOS Git basics Configuring Git Getting Started with GitHub Creating your first GitHub repo
	3 - Introduction to Programming	User input object instantiation Boolean logic conditionals loops arrays, and more.
	4 - Introduction to DSA	Introduction to data structures & algorithms



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3 - 5	<p>0 - Web Foundations</p> <hr/> <p>1 - Web Foundations II</p> <hr/> <p>2 - Web Foundations III</p> <hr/> <p>3 - Web Foundations IV</p> <hr/> <p>4 - Web Foundations V</p> <hr/> <p>5 - Web Foundations VI</p>	<p>Introduction to HTML & CSS</p> <hr/> <p>How websites are built</p> <p>How they interact with each other</p> <p>Class Practice</p> <hr/> <p>Introduction to SCSS</p> <hr/> <p>Website Layouts</p> <hr/> <p>Advanced Website Layouts</p> <hr/> <p>Advanced Website Layouts</p>
6	<p>0 - Algorithm</p> <hr/> <p>1 - Introduction to functions</p> <hr/> <p>2 - Classes</p> <hr/> <p>3 - Data Structures: Objects and Arrays</p>	<p>How to solve problems?</p> <p>Finding, sorting, bubble sort, binary search</p> <hr/> <p>Recursion</p> <p>closure</p> <p>optional arguments</p> <p>scope</p>



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7	<div>0 - Introduction to OOP</div> <div>1 - OOP in Practice</div>	<div>OOP Concepts</div> <div>Encapsulation</div> <div>Inheritance</div> <div>Abstraction</div> <div>Polymorphism</div>
8	<div>0 - Modules</div> <div>1 - Asynchronous Programming</div>	
9	<div>0 - JavaScript and The Browser</div> <div>1 - The Document Object Model</div> <div>2 - JavaScript Design Patterns</div>	



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10 - 13	0 - Web Application Development	Introduction to React
		Getting Started
	1 - Web Application Development	React Hooks
		Development of static website with React
	2 - Web Application Development	Redux
	3 - Web Application Development	React Router
	4 - Web Application Development	React hooks
	5 - Web Application Development	Redux
	6 - Web Application Development	React Router, HTTP/Ajax, and Functional Programming Techniques
	7 - Deployment and The Cloud	HTTP/Ajax, and Functional Programming Techniques
	8 - CI/CD	Building of class projects
14	0 - Advanced Web Development	Advanced React, State Management and Web Applications
15	1 - JavaScript Design Patterns	Integrating APIs
16	2 - Writing Tests	TypeScript
		Tests



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17 - 19	Labs	
20 - 22	Low Code Track	
23	Labs	
24	Interview Preparation	