

LESSON	TOPIC	DURATION
WEB DEVELOPMENT 101 (Weeks:7)		
Week 1: The Basics		0.5
<ul style="list-style-type: none"> How this Course will work + Quiz Introduction to Web Development + Quiz Gearing up + Quiz Set up all necessary Services & Accounts + Quiz How does the Web work 		
Week 1: Installations		0.5
<ul style="list-style-type: none"> Installation Overview Setting up a Development Environment + Quiz Code Editors Visual Studio Code + Quiz Command Line Basics + Quiz 		
Week 2: Git Basics		1
<ul style="list-style-type: none"> Introduction to Git Git Basics - Part I Setting up Git + Quiz Git Basics - Part II + Quiz Project: Practicing Git Basics + Quiz 		
Weeks 3~4: The Front End		2
<ul style="list-style-type: none"> Introduction to the Front End + Quiz HTML & CSS Basics + Quiz Developer Tools + Quiz Google Project: HTML/CSS + Quiz Google Project: Code Review Code Review: HTML/CSS 		

LESSON	TOPIC	DURATION
Weeks 5~7: JavaScript Basics		3
	<ul style="list-style-type: none"> Fundamentals - Part I Fundamentals - Part II + Quiz Developer Tools - Part II Fundamentals - Part III + Quiz Project: Rock - Paper - Scissors + Quiz Clean Code Fundamentals - Part IV + Quiz DOM Manipulation + Quiz Events + Quiz Project: Etch-a-Sketch + Quiz Fundamentals - Part V + Quiz Project: Calculator + Quiz 	
HTML & CSS (Weeks: 8)		
Weeks 8~9: Basic HTML Page Structure		2
	<ul style="list-style-type: none"> Introduction HTML Basics Linking Internal and External Pages Working with Images, Video and Other Media Project: Embedding Images and Video + Quiz What's new in HTML5 	
Week 10: Displaying and Inputting Data		1
	<ul style="list-style-type: none"> Tables in HTML + Quiz Ordered and Unordered Lists Forms for collecting data Project: HTML Forms + Quiz 	

LESSON	TOPIC	DURATION
Weeks 11~12: CSS	<ul style="list-style-type: none"> CSS Basics The Box Model Floats and Positioning FlexBox Grid + Quiz Project: Positioning and Floating elements + Quiz Best practices Background and Gradients + Quiz Project: Building with Background and Gradients + Quiz 	2
Week 13: Design and UX	<ul style="list-style-type: none"> Introduction to Design and UX Fonts & Typography CSS Grids 	1
Week 14: Responsive Design & CSS Frameworks	<ul style="list-style-type: none"> Responsive Design Project: Building With Responsive Design + Quiz CSS Frameworks: Bootstrap, Foundation + Quiz Project: Using Bootstrap + Quiz 	1
Week 15: Advanced CSS	<ul style="list-style-type: none"> Animations, Subtle Effects and Compatibility + Quiz Using CSS Pre-processors to Save Time Project: Design Your Own Grid-Based Framework + Quiz Conclusion 	1

LESSON	TOPIC	DURATION
JavaScript (Weeks: 10)		
Week 16: Introduction	<ul style="list-style-type: none"> Introduction + Exercism A Quick Review 	
Weeks 16~18: Organizing your JavaScript Code	<ul style="list-style-type: none"> Introduction Objects and Object Constructors + Quiz Project: Library + Quiz Project: Tic-Tac-Toe + Quiz Classes + Quiz ES6 Modules Project: Restaurant Page + Quiz OOP Principles Project: Todo List + Quiz 	3
Week 19: JavaScript in the Real World	<ul style="list-style-type: none"> Linting Dynamic User Interface Interactions + Quiz Forms + Quiz Webpack ES6 and Beyond 	1

LESSON	TOPIC	DURATION
Weeks 20~21: Asynchronous JS, JSON and APIs	<ul style="list-style-type: none"> JSON Async Working with APIs Async and Await Project: Weather App + Quiz Web APIs 	2
Week 22: Testing & Finishing up	<ul style="list-style-type: none"> Testing Basics Project: Testing Practice More Testing Project: Battleship + Quiz Finishing up Project: Final Project + Quiz Conclusion 	1
Week 23: JavaScript Libraries & Metalanguages	<ul style="list-style-type: none"> Learn jQuery: Basics Learn jQuery: Forms Project: jQuery Basics + Quiz 	1
Weeks 24~25: Frontend Frameworks	<ul style="list-style-type: none"> Introduction to Frameworks Diving into React.JS 	2

LESSON	TOPIC	DURATION
Serverless Architecture & Jamstack (Weeks: 1)		
Week 26: Jamstack and the Serverless Architecture	<ul style="list-style-type: none"> Introduction to Serverless & Jamstack Static Site Generators: Eleventy Database as a Service: Firebase + Quiz Database as a Service: FaunaDB Functions as a Service Conclusion 	1
Final (Individual) Project (Weeks: 4)		
Weeks 27~30: Final Individual Project		4
Total Course Duration		30 weeks