**TABLE OF CONTENTS**

1. A Brief Introduction to JavaScript
2. Data Types
3. Boolean Logic
4. JavaScript Releases: ES5, ES6+ and ESNext
5. Functions Calling Other Functions
6. Reviewing Functions
7. Learning How to Code
8. How to Think Like a Developer
9. Debugging (Fixing Errors)
10. What's the DOM and DOM Manipulation
11. An high-level Overview of JavaScript
12. The JavaScript Engine and Runtime
13. Execution Contexts and The Call Stack
14. Scope and The Scope Chain
15. Variable environment: Hoisting and The TDZ
16. The this Keyword Primitives vs. Objects (Primitive vs. Reference Types)
17. Summary: Which Data Structure to Use?
18. First-Class and Higher-Order Functions
19. Closures
20. Data Transformations: map, filter, reduce
21. Summary: Which Array Method to Use?
22. How the DOM Really Works
23. Event Propagation: Bubbling and Capturing
24. Efficient Script Loading: defer and async
25. What is Object-Oriented Programming?
26. OOP in JavaScript Prototypal Inheritance and The Prototype Chain
27. Object.create
28. Inheritance Between "Classes": Constructor Functions
29. Inheritance Between "Classes": Object.create
30. ES6 Classes summary
31. Mapty Project: How to Plan a Web Project
32. Mapty Project: Final Considerations
33. Asynchronous JavaScript, AJAX and APIs
34. How the Web Works: Requests and Responses
35. Promises and the Fetch API
36. Asynchronous Behind the Scenes: The Event Loop
37. An Overview of Modern JavaScript Development
38. An Overview of Modules in JavaScript
39. Modern, Clean and Declarative JavaScript Programming
40. Forkify: Project Overview and Planning
41. The MVC Architecture
42. Event Handlers in MVC: Publisher-Subscriber Pattern
43. Forkify Project: Final Considerations 1

HTML CSS COURSE

1. Quick review of html and css

SETTING UP CODING ENVIRONMENT

1. Setting Up Our Code Editor

* Theme:monokai pro
* Code formatter:prettier
* Load code in browser:live server
* Icons:material ui icons
* File save:onFocuschange
* Color highlighter
* Image preview
* formatOn save:on

JAVASCRIPT FUNDAMENTALS PART 1

1. Hello world in JavaScript
2. A brief introduction to Javascript

* What is Javascript
* The role of javascript in web dev
* There is nothing you cant do with javascript
* Javascript releases

1. Linking a Javascript file
2. Values and variables
3. Data Types
4. Let , const and var
5. Basic operators
6. Operator precedence
7. Coding Challenge #1
8. Strings and template literals
9. Taking decisions if else statements
10. Coding challenge #2
11. Type conversion and coercion
12. Truthy and falsy Values
13. Equality operators
14. Boolean logic
15. Logical operators
16. Coding challenge #3
17. The switch statements
18. Statements and expressions
19. The conditional (ternary) operator
20. Coding challenge #4
21. The Javascript releases ES5,ES6 and ESNext

JAVASCRIPT FUNDAMENTALS PART 2

1. Activating strict mode
2. Functions
3. Function declarations vs expressions
4. Arrow functions
5. Functions calling other functions
6. Reviewing functions
7. Coding challenge #1
8. Introduction to arrays
9. Basic array operations (Methods)
10. Coding challenge #2
11. Introduction to objects
12. Dot vs Bracket notation
13. Object methods
14. Coding challenge #3
15. Iteration – the for loop
16. Looping arrays, Breaking and continuing
17. Looping backwards and loops in loops
18. The while loop
19. Coding challenge #4

DEVELOPER SKILLS & EDITOR SETUP

1. Setting up vs code
2. Installing node js and setting up a dev environment
3. Learning how to code
4. How to think like a developer – Become a problem solver
5. Using Google, stack overflow and MDN
6. Debugging (fixing errors)
7. Debugging with the console and break points
8. Coding challenge #1

JAVASCRIPT IN THE BROWSER DOM AND EVENT FUNDAMENTALS

1. Project #1 : Guess my Number
2. Whats is the DOM and DOM manipulation
3. Selecting and manipulating elements
4. Handling click events
5. Implementing the Game logic
6. Manipulating css styles
7. Coding challenge #1
8. Implementing high scores
9. Refactoring our code the DRY principle
10. Project two: Modal window
11. Working with classes
12. Handling an Esc\_keypress event
13. Project 3:The Pig Game
14. Rolling the dice
15. Switching the active player
16. Holding the current score
17. Resetting the Game