**JAVASCRIPT**

**About the course**

This is a front to back JavaScript course for ***absolutely everybody*.** We start with the basic fundamentals and work our way to advanced programming WITHOUT relying on frameworks or libraries at all. You will learn a ton of pure JavaScript, whether you are a beginner or an established JS programmer. There is something for everyone...

***#### WHATS INCLUDED? ####***

* **Basics & Fundamentals:** Data types, let & const variables, functions, conditionals, loops, object literals, arrays, etc
* **DOM Manipulation:**Selectors, traversing the DOM, show/hide, creating & removing elements, event listeners
* **OOP:** ES5 prototypes, inheritance, ES2015 classes & sub-classes, constructors
* **Async JS:**Ajax & XHR, Fetch API, callbacks, promises, async / await
* **ES2015+:**Arrow functions, template strings, generators, iterators, maps & sets, symbols & more
* **JavaScript Patterns:** Module, Factory, State, Observer, Mediator, Singleton
* **Other:**Local & session storage, regular expressions, try/catch error handling
* **10 Projects of all kinds**

***#### PROJECTS ####***

1. Task List With Local Storage
2. Loan Calculator
3. Number Guess Game
4. OOP Book Listing App (ES5 Prototype & ES2015 Classes Version)
5. Chuck Norris Joke Generator
6. EasyHTTP - Custom HTTP Library (3 Versions - Callbacks / Promises / Async & Await)
7. Github Finder
8. WeatherJS App
9. Calorie Tracker (Module Pattern)
10. Microposts - Frontend CRUD for REST API (Webpack & Babel)

**Structure**

**Section 1:** Introduction & Getting Started

**Section 2:** Javscript Language Fundamentals

**Section 3:** DOM Manipulation & Events

**Section 4:** DOM Projects

**Section 5:** Object Oriented Javascript - ES5 & ES2015

**Section 6:** OOP Book List Project

**Section 7:** Asynchronous Javascript, Ajax & Fetch API

**Section 8:** API Projects

**Section 9:** Error Handing & Regular Expressions

**Section 10:** Marking our Website Responsive

**Section 11:** Javascript Patterns

**Time**

Begin in: August 1st 2021

* Monday: 19:00 – 21:30
* Wednesday: 19:00 – 21:30

**Cost**

Course JavaScript: $89.99