Modern JavaScript Roadmap

Running Javascript

Fundamentals

- Script tag
- Browser Console
- Link External file

Variables

- Declaration : var, let & const
- Scope : Global, Function, Block
- Hoisting

Data Types & Data structures

- Primitive Types : undefined, boolean, number, BingInt, Symbol, String
- null, Object, Function
- Data Structure : Array, Sat/Weak Sat, Map/Weak Set, Date

Type Conversion

- Implicit Conversion
- Explicit Conversion

Loops

- while
- do....while
- break/continue
- for
- for....in
- for....of

Equality

== vs ===

Control Flow

- if....else
- switch
- try...catch...throw

Running Javascript

- Logical Operators
- Assignment Operators
- Arithmetic Operators
- Conditional Operators
- Comparisons Operators
- Relational Operators
- Bitwise Operators
- Strings Operators
- Comma Operators
- Unary Operators

Advanced

- Class
- Iterators
- Event Loop
- Generators
- Currying
- Advanced Scope
- Closure
- Prototype
- Prototypal Inheritance
- this keyword : Default Binding, new Binding, Implicit Binding, Explicit Binding, Lexical Binding

- Asynchronous Javascript : setTimeout, setInterval, callbacks, promises, async....await
- Module System : Import/Export, Common js(CJS), ES Modules, Default & named Exports

Web APIs

- DOM (Document Object Model)
- XHR and fetch
- Storage
- Video and Audio
- Drawing Graphics

Tooling & Misc

- Linters : EsLint
- Code Formatters : Prettier
- Bundlers : Parcel, Webpack, Rollup
- Typescript