React

**Catchup**

Array Iterator Methods:

**Map** – can apply a function to each value in the array and creates a new array

**Filter** - creates a new array with all elements that pass the test implemented by the provided function

**Reduce** - executes a reducer function (that you provide) on each element of the array, resulting in a single output value

Classes:

A class is a type of function, but instead of using the keyword function to initiate it, we use the keyword class, and the properties are assigned inside a constructor() method.

Use the keyword class to create a class, and always add the constructor() method. The constructor method is called each time the class object is initialized.

What is React?

React is a declarative, efficient, and flexible JavaScript library for building user interfaces. React deals with all the DOM stuff for us: we just write basic components, that look almost like HTML, and it wires everything up.

React is built on the philosophy that large complex apps should be built by com- bining small simple components.

Scripts:

* Start
* Build
* Test
* Eject

Packs:

**Babel** - Babel is a toolchain that is mainly used to convert ECMAScript 2015+ code into a backwards compatible version of JavaScript in current and older browsers or environments.

**Webpack** - It’s a tool that lets you bundle your JavaScript applications (supporting both ESM and CommonJS), and it can be extended to support many different assets such as images, fonts, and stylesheets.

**Es Lint** - statically analyzes your code to quickly find problems.

Process:

1. npm init react-app “App Name”
2. cd “App Name”
3. npm start