

# Front-end course - React

A road to html, css and javascript  
Spring 2021

# Introducing JSX

JSX is an XML/HTML-like syntax used by React that extends ECMAScript so that XML/HTML-like text can co-exist with JavaScript/React code.

<https://www.reactenlightenment.com/react-jsx/5.1.html>

<https://reactjs.org/docs/introducing-jsx.html>

<https://reactjs.org/docs/jsx-in-depth.html>

# Let's see how **JSX** works

[https://babeljs.io/repl/#?presets=react&code\\_lz=GYVwdgxgLglg9mABACwKYBt1wBQEpEDeAUlogE6pQhIA8AJjAG4B8AEhlogO5xnr0AhLQD0jVgG4iAXyJA](https://babeljs.io/repl/#?presets=react&code_lz=GYVwdgxgLglg9mABACwKYBt1wBQEpEDeAUlogE6pQhIA8AJjAG4B8AEhlogO5xnr0AhLQD0jVgG4iAXyJA)

# What is NodeJS?

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.

# What is the relation between NodeJS and React?

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.

# What is NPM, Yarn?

npm is a package manager for the JavaScript programming language. npm, Inc. is a subsidiary of GitHub, that provides hosting for software development and version control with the usage of Git. npm is the default package manager for the JavaScript runtime environment Node.js.

Yarn is a package manager, too!

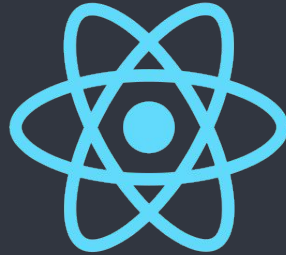
# What is React?

React is an open-source, front end, JavaScript **library** for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.

# Javascript Libraries to use for development



[Repository](#)



[Repository](#)



[Repository](#)





Dan Abramov

<https://github.com/gaearon>

# Features of React VirtualDOM

