

# Requirements

- Text Editor/Source Code Editor – Visual Studio Code, Notepad++, Atom etc
- Web Browser – Google Chrome, Firefox
- React Developer Tools

# Requirements

- NPM - It is used to take advantage of a vast ecosystem of third-party packages, and easily install or update them.
- Webpack - webpack is a static module bundler for modern JavaScript applications. When webpack processes your application, it internally builds a dependency graph which maps every module your project needs and generates one or more bundles.
- 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.

# Create React App

Create React App is a tool, built by developers at Facebook that gives you a massive head start when building React apps. It saves you from time consuming setup and configuration. You simply run one command and Create React App sets up the tools you need to start your React project.

Syntax:-

```
npx create-react-app my-app
```

# Create React App

- Installs the latest version of React, React-DOM and react-scripts.
- React, JSX, ES6, TypeScript and Flow syntax support.
- Autoprefixed CSS, so you don't need -webkit- or other prefixes.
- Installs the dependencies needed to build project
- Zero Setup and Configuration Required
  - Webpack – It configuring Webpack to bundle your project assets.
  - Babel – It transpile JSX into browser-ready code.
- Creates the initial project structure
- Development Server
- Built-in Testing - Jest testing framework
- Create React App provides helpful runtime error messages in the browser