ReactJS Cheat Sheet

by KNiGHT BLOOD (spegusess) via cheatography.com/108914/cs/21609/

Easy Install

create app	npm create-react-app my-app
delete src	del src/*
creating files	type nul > index.css type nul > index.js

index.js	`import React from 'react';`
	`import ReactDOM from 'react`
	
	`import './ind ex.c ss';`

Build

run server	npm start
create bundle	npm run build

Deploy

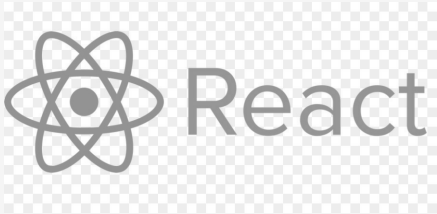
Setup from Scratch

Initia-lizing	npm init
Install React	npm install react react-dom --save
Install webpack	npm install webpack webpack-dev-server webpack-cli --save
Install babel	npm install babel-core babel--loader babel-preset-env babel--preset-react html-webpack-plugin --save-dev

Structure

index.html	type nul > index.html
App.js	type nul > App.js
main.js	type nul > main.js
webpack.conf-ig.js	type nul > webpackco-nfig.js
.babelrc	type nul > .babelrc

React



Set Compiler, Server & Loader

File : webpack.config.js

```
const path = requir e(' path');
const HtmlWe bpa ckP lugin =
requir e(' htm l-w ebp ack -pl -
ugin');
module.ex ports = {
      entry: './mai n.js',
      output: {
            path: path.j oin -
(__ dir name, '/bund le'),
            fil ename: 'index -
_bu ndl e.js'
      },
      dev Server: {
            inline: true,
            port: 8001
      },
      module: {
            rules: [
                  {
                        test:
/\.jsx?$/,
                        exc -
lude: /node_ mod ules/,
                        loader:
'babel -lo ader',
                        query: {
                              -
pre sets: ['es2015', 'react']
                        }
                  }
            ]
      },
```

Set Compiler, Server & Loader (cont)

```
>   plugins:[
    new HtmlWebpackPlugin({
      template: './index.html'
    })
  ]
}
```

package.json

```
{
     " nam e": " rea ctA pp",
     " ver sio n": " 1.0.0",
     " des cri pti on": " First
React App",
     " mai n": " ind ex.j s",
     " scr ipt s": {
/*"t est ": "echo \"Error: no
test specif ied \" && exit 1"
REMOVE THIS AND ADD FOLLOWING 2
LINES */
         " sta rt": " web pac k-
d ev- server --mode develo pment
--open --hot",
         " bui ld": " webpack --
mode produc tio n"
    },
     " key wor ds": [],
     " aut hor ": " KNi GHT blo -
od",
     " lic ens e": " ISC ",
     " dep end enc ies ": {
         " rea ct": " ^16.12.0",
         " rea ct- dom ": " -
^16.12.0",
         " web pac k": " ^4.4 -
1.5 ",
         " web pac k-c li": " -
^3.3.1 0",
         " web pac k-d ev- ser -
ver ": " ^3.1 0.1 "
    },
     " dev Dep end enc ies ": {
         " bab el- cor e": " -
^6.2 6.3 ",
```


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package.json (cont)

```
>    "babel-loader": "^8.0.6",
   "babel-preset-env": "^1.7.0",
   "babel-preset-react": "^6.24.1",
   "html-webpack-plugin": "^3.2.0"
 }
}
```

index.html

```
<!DOCTYPE html>
<html lang = " en">
      <he ad>
            <meta charset = " -
UTF -8">
            <ti tle >React
App</t itl e>
      </h ead>
      <bo dy>
            <div id = " app " >
</ div>
            <script src =
'index _bu ndl e.j s'> </s cri -
pt>
      </b ody>
</h tml>
```

App.js

```
import React, { Component } from
'react';
class App extends Component{
      ren der(){
            return(
                  <di v>
                        <h1 -
>Hello World< /h1>
                  </d iv>
           );
     }
}
export default App;
```

main.js

```
import React from 'react';
import ReactDOM from 'react -
dom';
import App from './App.js';
ReactD OM.r en der (<App />,
docume nt.g et Ele men tBy -
Id( 'ap p'));
```

.babelrc

```
{
      " pre set s":[ " env ",
" rea ct"]
}
```

Compnents are made with jsx

HTML <di v> {'Hell o'.t oU ppe rCa se()} </d iv>
flips
to js
Like

```
      <div classN ame ="he llo --u ppe r"> {'Hell o'.t oU ppe rCa s
      e()} </d iv>
```


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