

# the Master Course

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# Working with React.

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# Learning Objectives

**To understand the React build workflow.**

**To be able to set up a project with create-react-app**

**To be able to work with modern ES6 javascript features.**

**To understand the folder structure of a React App.**

# React.js

## The React build workflow

What do we need to make a react app?

# React.js

**What we need in our project to create a react app:**

**NPM**

**Webpack**

**A compiler like Babel**

**React & React-Dom**

**A development server to use locally**

# React.js

**Luckily for us, there is a package called `create-react-app` which packages everything we need!!**

# React.js

**create-react-app builds an entire starting structure for us.**

# React.js

**Let's install it!**

```
npm install create-react-app -g
```



# React.js

To make a new react project, cd into the folder you want to make a project and run:

**create-react-app yourappsname**

# React.js

**Let's take a look at what we start with.**

# React.js

**You will have noticed some ES6 JS features such as export and import.**

# React.js

**We can use these in our react app because `babel` takes care of the compiling for us.**

# React.js

**So even though you are used to using `module.exports = {}` and the `require()` method, in react we will be using modern features instead.**

# React.js

**There are a few ways we can export  
and a few ways we can import.**

# React.js

**Use export default componentName at the end of you component file.**  
**Then import someName from './somefile'**  
**SomeName can be anything you want.**

# React.js

You can also use something called named exports. Here you just use the **export** keyword before any component. But you must import using the correct name, and put the name in curly brackets.



# React.js

```
export const MyComponent = () => {}
```

**In a different file at the top:**

```
import {MyComponent} from './somefile'
```

# React.js

**npm start**

This will fire up our development server.





# React.js

**We can delete some of the placeholder stuff in the starter project. Lets lean it down a bit.**

# Revisiting Learning Objectives

**To understand the React build workflow.**

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