npm install -g create-react-app

create-react-app my-app

1. Delete all files in the src/ folder of the new project (don’t delete the folder, just its contents).

cd my-app

rm -f src/\*

1. Add a file named index.css in the src/ folder with this CSS code.
2. Add a file named index.js in the src/ folder with this JS code.
3. Add these three lines to the top of index.js in the src/ folder:

import React from 'react';

import ReactDOM from 'react-dom';

import './index.css';

Now if you run npm start in the project folder and open http://localhost:3000 in the browser, you should see an empty tic-tac-toe field.

**Overview**

**What is React?**

React is a declarative, efficient, and flexible JavaScript library for building user interfaces.

React has a few different kinds of components, but we’ll start with React.Componentsubclasses:

class ShoppingList extends React.Component {

render() {

return (

<div className="shopping-list">

<h1>Shopping List for {this.props.name}</h1>

<ul>

<li>Instagram</li>

<li>WhatsApp</li>

<li>Oculus</li>

</ul>

</div>

);

}

}

// Example usage: <ShoppingList name="Mark" />

We’ll get to the funny XML-like tags in a second. Your components tell React what you want to render – then React will efficiently update and render just the right components when your data changes.

Here, ShoppingList is a **React component class**, or **React component type**. A component takes in parameters, called props, and returns a hierarchy of views to display via the rendermethod.

The render method returns a *description* of what you want to render, and then React takes that description and renders it to the screen. In particular, render returns a **React element**, which is a lightweight description of what to render. Most React developers use a special syntax called JSX which makes it easier to write these structures. The <div /> syntax is transformed at build time to React.createElement('div'). The example above is equivalent to:

return React.createElement('div', {className: 'shopping-list'},

React.createElement('h1', /\* ... h1 children ... \*/),

React.createElement('ul', /\* ... ul children ... \*/)

);