Intro to React

Building a to-do application using Create React App

presented by

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Agenda

1. Create React App.. What is it?

2. Install create-react-app using npx. (npx is a tool for executing node packages)

3. Modify our base application for development.

4. Build To-Do Application using React 16 (using arrow function components and hooks).

5. Questions & Answers

What is Create React App?

Create React App is a tool built and maintained by Facebook. It allows developers to spin up a starter application with one command. It **saves developers countless hours** of setup and configuration.
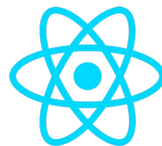
Create React App uses many tools to allow for local development and browser compatibility. Babel is one important tool which converts your ES6 Javascript into backwards compatible Javascript so that it can be interpreted by older browsers. Webpack is also another important tool which bundles your application modules. Then you have tools like ESLint to flag programming errors in real-time as you develop. All these tools play a very important role in the React world.

Install Create React App using npx

1. Open VSCode
2. Open Terminal
3. Type `npx create-react-app todo-app` in the command prompt (todo-app is the destination folder)
4. Close VSCode
5. Open VSCode and open todo-app folder
6. Open Terminal and run `yarn start`

Modify base application for development

1. Remove the following files
    a. index.css
    b. App.css
    c. App.test.js
    d. logo.svg
2. Edit the App.js file and remove unnecessary code
3. Install our dependencies for our app
    a. `npm install react-bootstrap bootstrap`

Let the coding begin...

Any Questions?

Code: **https://github.com/eberdome/todo-app**