

Exercise

In this lesson, we are going to put what we have learned in this course together to build a React component.

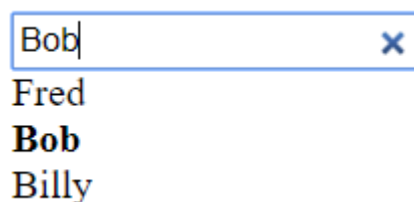
WE'LL COVER THE FOLLOWING ^

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The challenge

Our challenge in the exercise is to build a strongly-typed function component called `List` that renders a list of strings that the consumer can pass into in an `items` prop. Above the list should be a search input that automatically has focus when the component is first rendered. Items in the list that match the search text entered should be rendered in bold.

Below is a screenshot of the completed component in use:



Use the widget below to build the component.

The `List` component is already referenced and consumed in code that is commented out. Uncomment this code and then implement the `List` component.

A completed `List` component is at the bottom of this page.

```
import * as React from "react";
```

```
import * as ReactDOM from "react-dom";

// TODO

// - Build a strongly-typed function component called `List` that renders a list of strings
// - The consumer needs pass the list of strings into an `items` prop
// - Above the list should be a search input
// - The input should have focus when the component is first rendered
// - Items in the list that match the search text entered should appear in bold.

// ReactDOM.render(
//   <List items={["Fred", "Bob", "Billy"]} />,
//   document.getElementById("root")
// );
```

Completed component

 Show completed List component

Wrap up

This exercise has further cemented how to strongly-type various parts of React components. Next up, we'll learn some handy tips that we can take along to our next React and TypeScript project.