

Best way to learn React fast?



Write code! Work on projects!

*We are going to build an entire
language translation app in this video*

Page 1

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→

↺

Translate App

Enter English

Hi, how are you?

Select Language

Afrikaans

Arabic

French

Hindi

Japanese

Portuguese

Russian

Spanish

Output

Hola, como estas?

codesandbox.io/s/react-pibc94

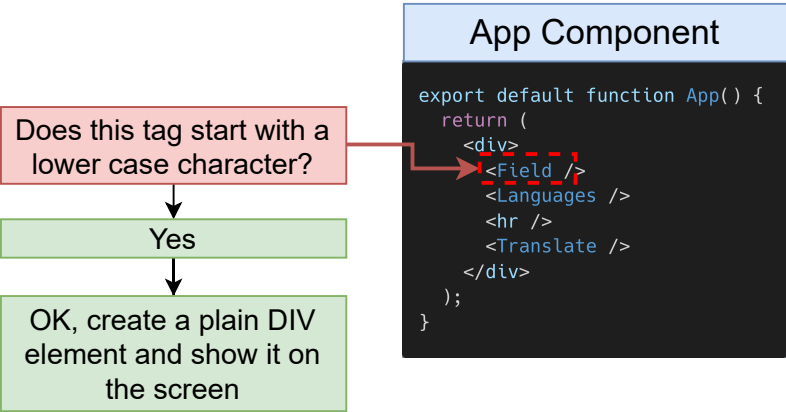
*Online editor with a few files
already created for you*

ALL other projects will be created on
your computer from scratch

Get stuck? That's OK!



Completed code:
codesandbox.io/s/react-forked-m5bz37



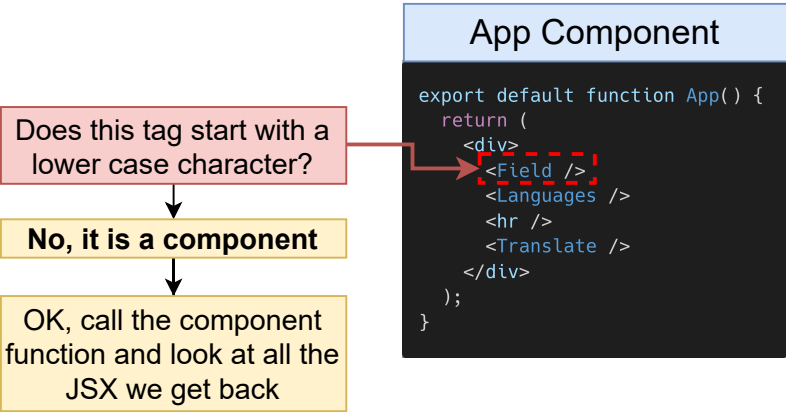
Does this tag start with a lower case character?

Yes

OK, create a DIV and show it on the screen

Field Component

```
function Field({ value, onChange }) {  
  return (  
    <div className="field"> !  
      <h1>Translate App</h1>  
      <label>Enter English</label>  
      <input  
        className="input"  
        value={value}  
        onChange={(e) => onChange(e.target.value)}  
      />  
    </div>  
  );  
}
```

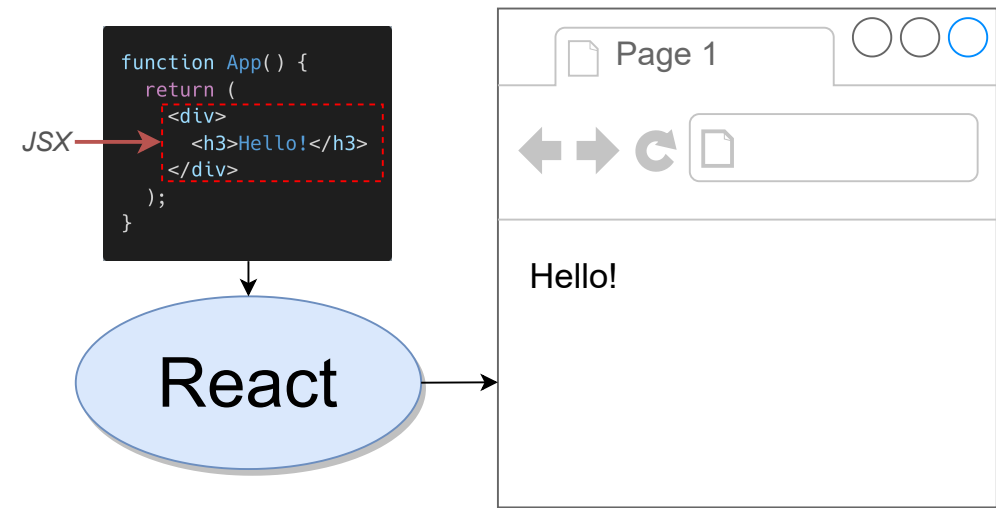


1

So what's React all about?

React (1) displays HTML and (2) changes that HTML when the user does something.

How do we tell React to show HTML?



React Component

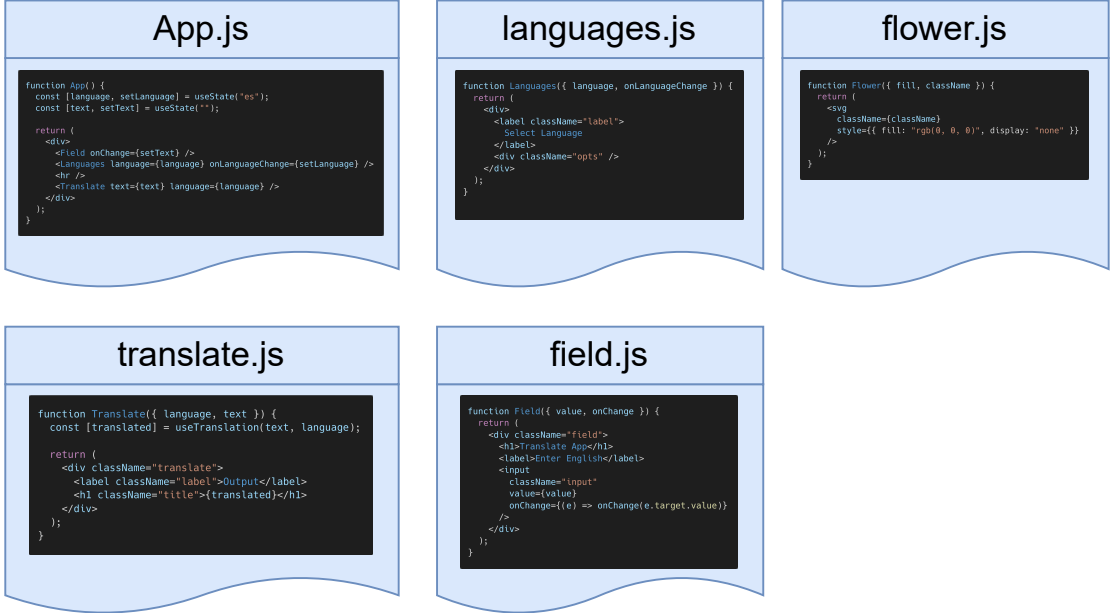
```
function App() {  
  return (  
    <div>  
      <h3>Hello!</h3>  
    </div>  
  );  
}
```

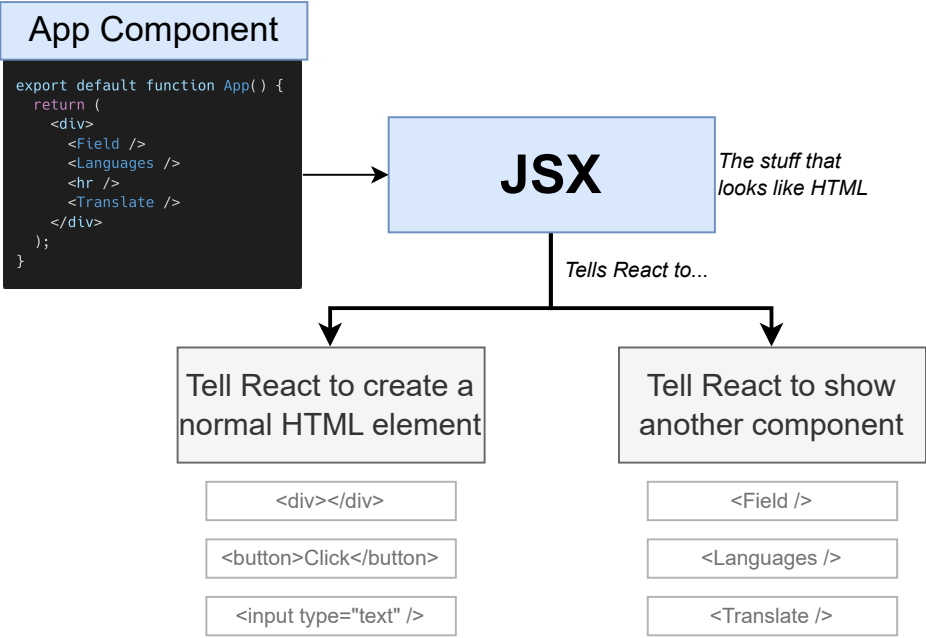
React Components

Functions that return JSX (stuff that looks like HTML)

Tells React what to show on the screen

A project can have many components that work together





App Component

```
function App() {  
  return (  
    <div>  
      <h1>Your Friends</h1>  
      <ContactList />  
    </div>  
  );  
}
```

ContactList Component

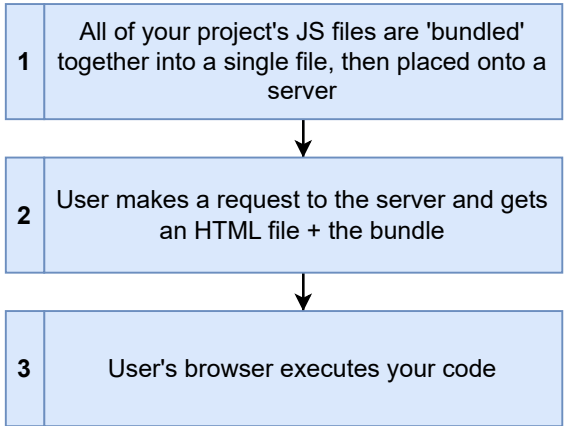
```
function ContactList() {  
  return (  
    <ul>  
      <li>Samantha</li>  
      <li>Alex</li>  
    </ul>  
  );  
}
```

Final HTML Output

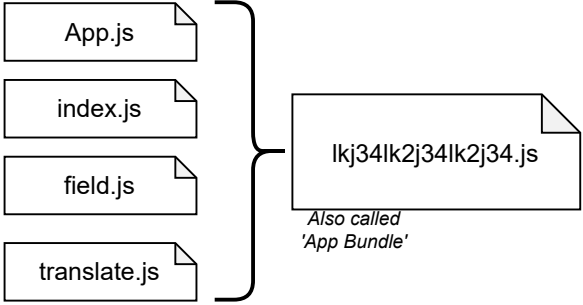
This is what gets shown on the screen

```
<div>  
  <h1>Your Friends</h1>  
  <ul>  
    <li>Samantha</li>  
    <li>Alex</li>  
  </ul>  
</div>
```

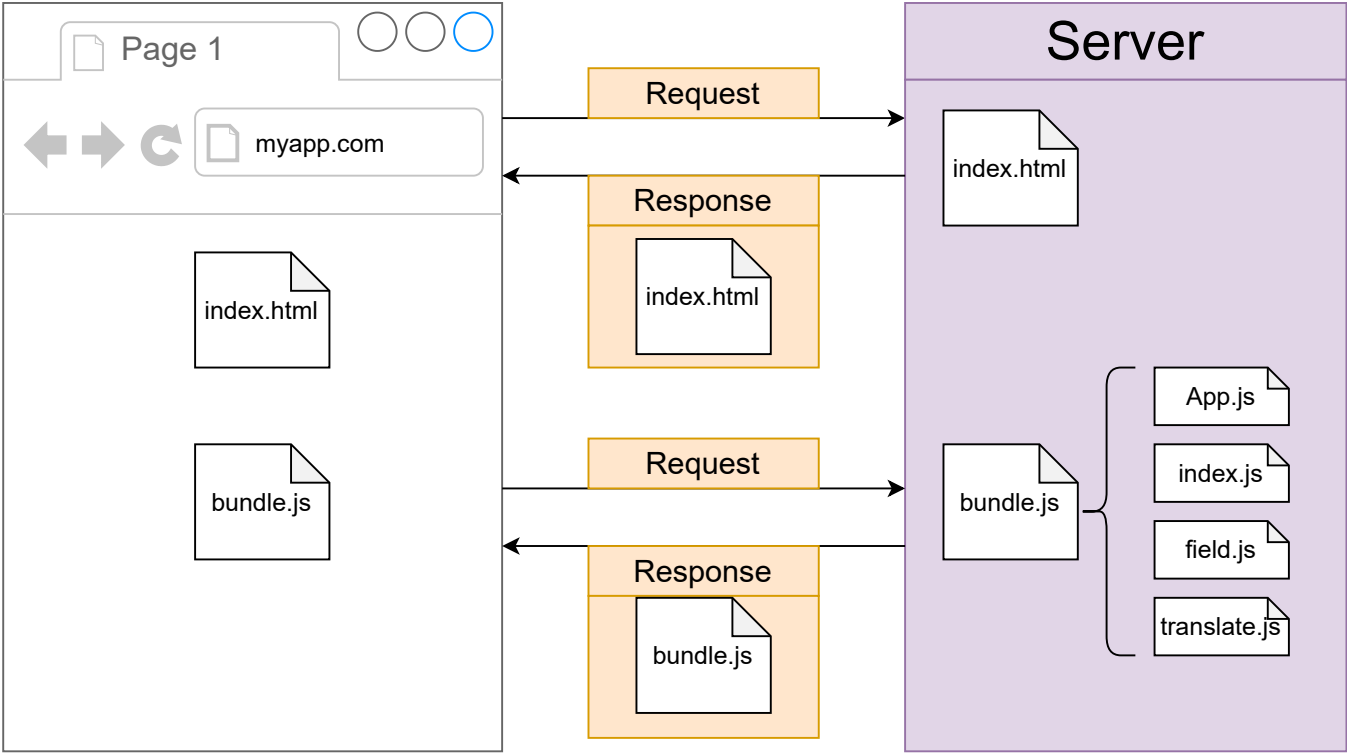
2	How does a React app start up?
---	--------------------------------



1 All of your project's JS files are 'bundled' together into a single file, then placed onto a server



2 User makes a request to the server and gets an HTML file + the bundle



User's browser executes your code

React Startup Process

All inside the index.js file

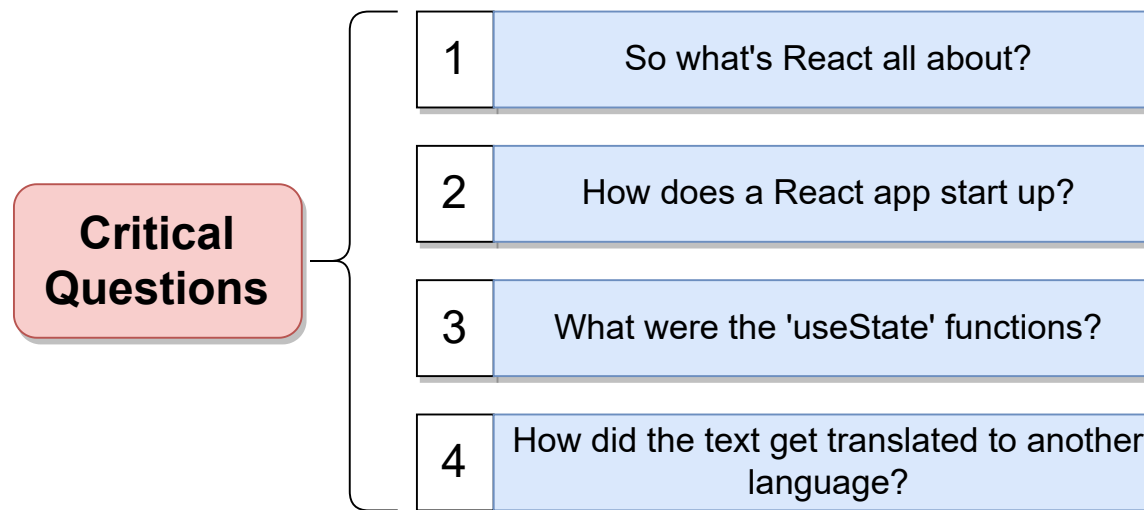
- 1

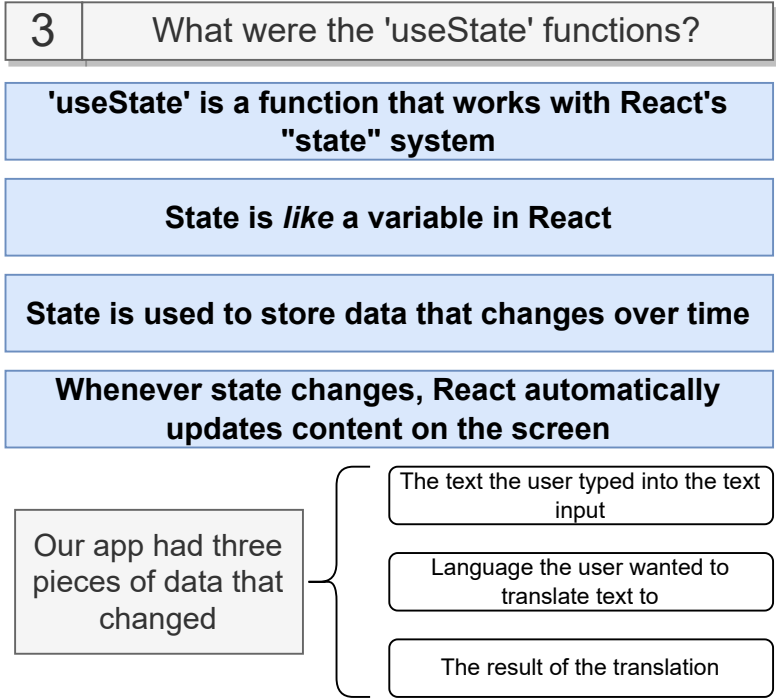
Find the div with id of 'root' in the DOM
- 2

Tell React to take control of that element
- 3

Tell React to get JSX from the App component, turn it into HTML, and show it in the root







4

How did the text get translated to another language?

