



BLACKBUCK
ENGINEERS



The MERN Development Lab

Session 15 - ReactJS Routing and Props

BY AQUIB AJANI



BLACKBUCK
ENGINEERS



GitHub Repository

tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024

<https://github.com/tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024>

What is ReactJS?



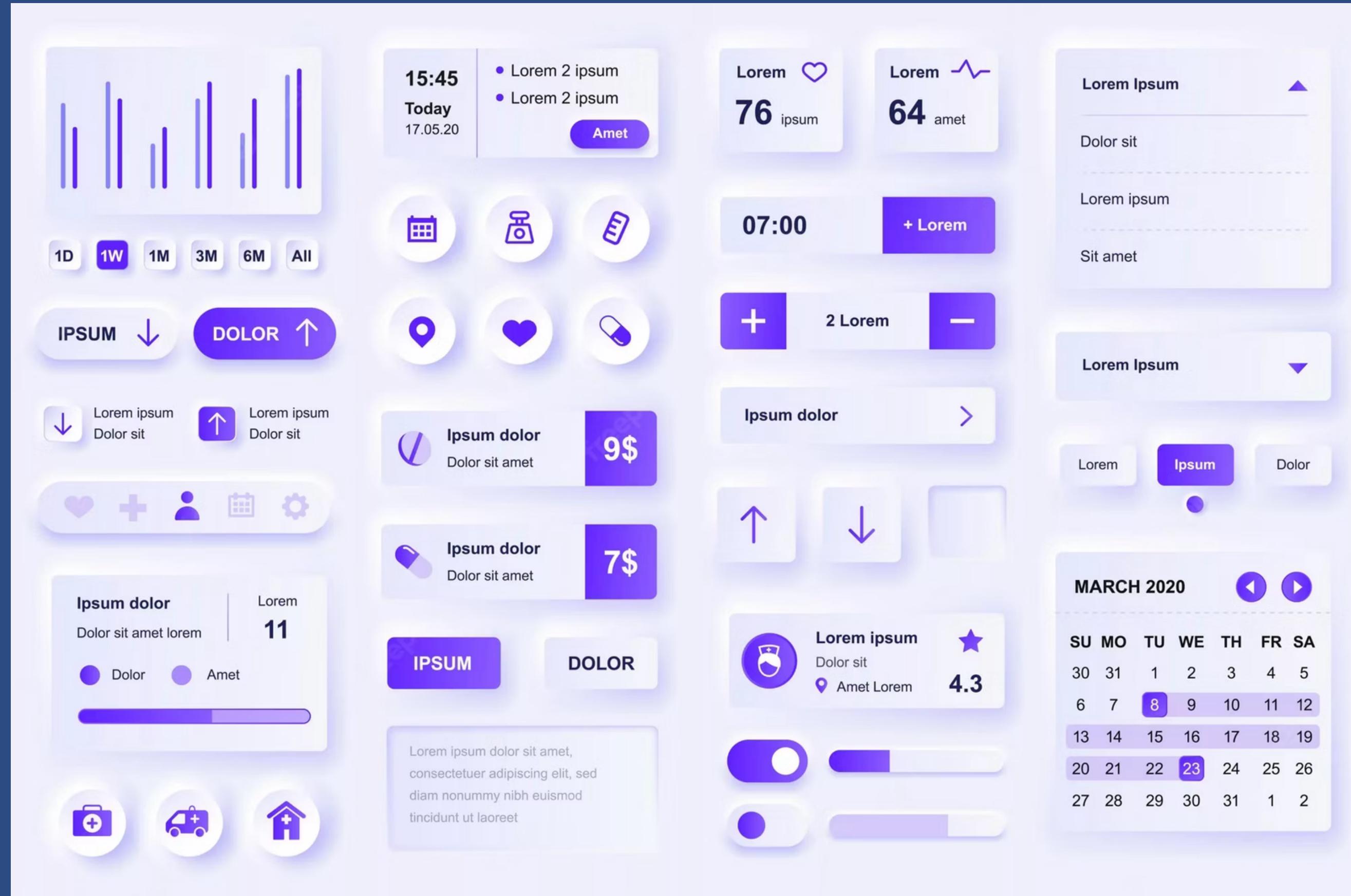
Creating a new ReactJS App

```
>_ npx create-react-app helloReact
```

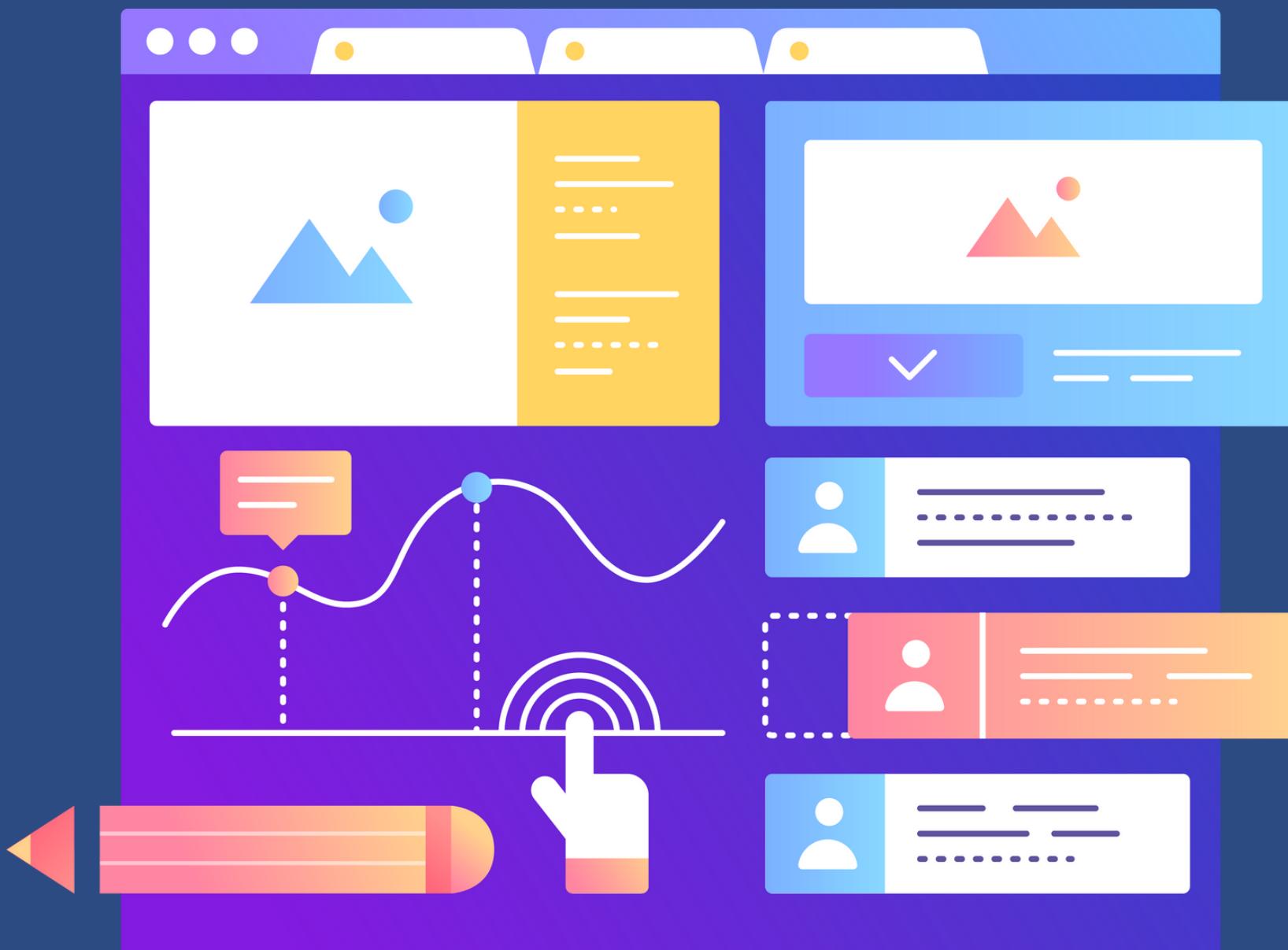
Exploring default files and folders

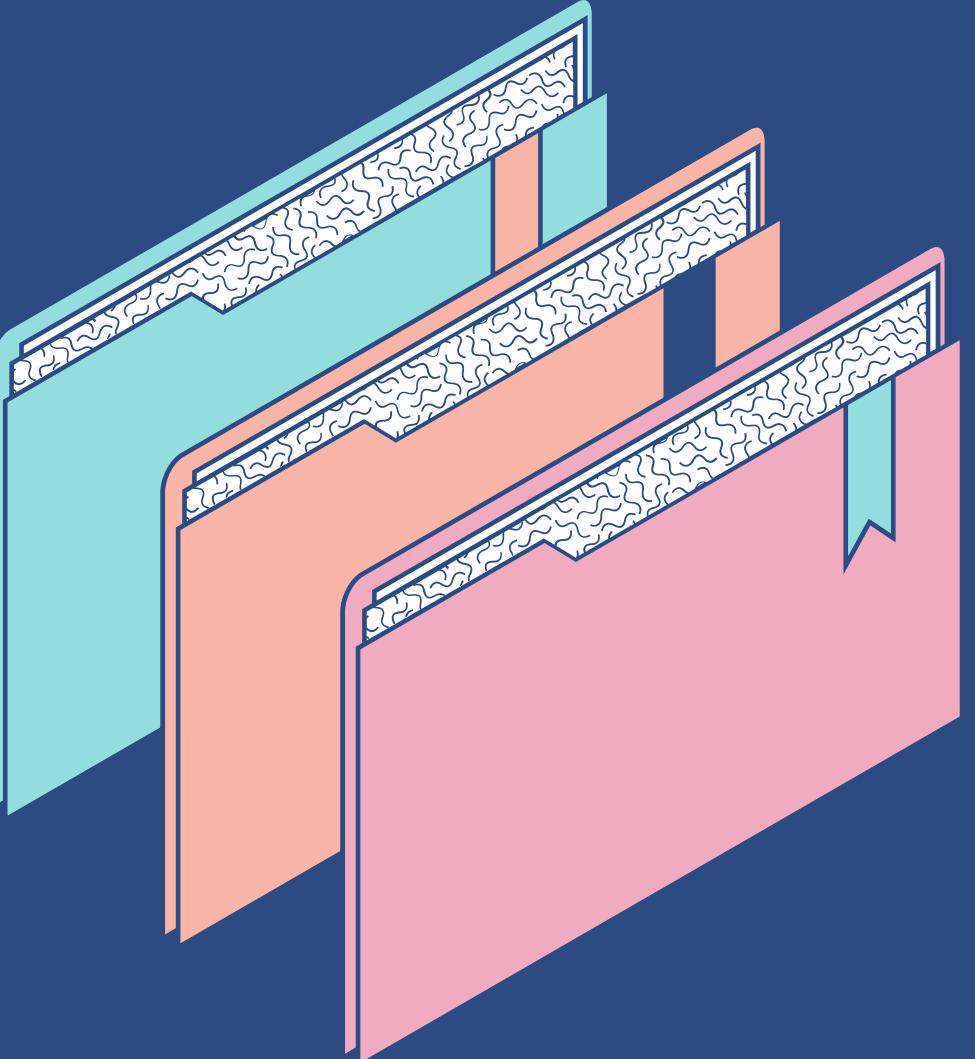
```
└─ frontend
    ├─ node_modules
    ├─ public
    └─ src
        ├─ landing_page
        ├─ index.css
        ├─ index.js
        ├─ .gitignore
        ├─ package-lock.json
        └─ package.json
```

What is a component?



Breaking a UI into components



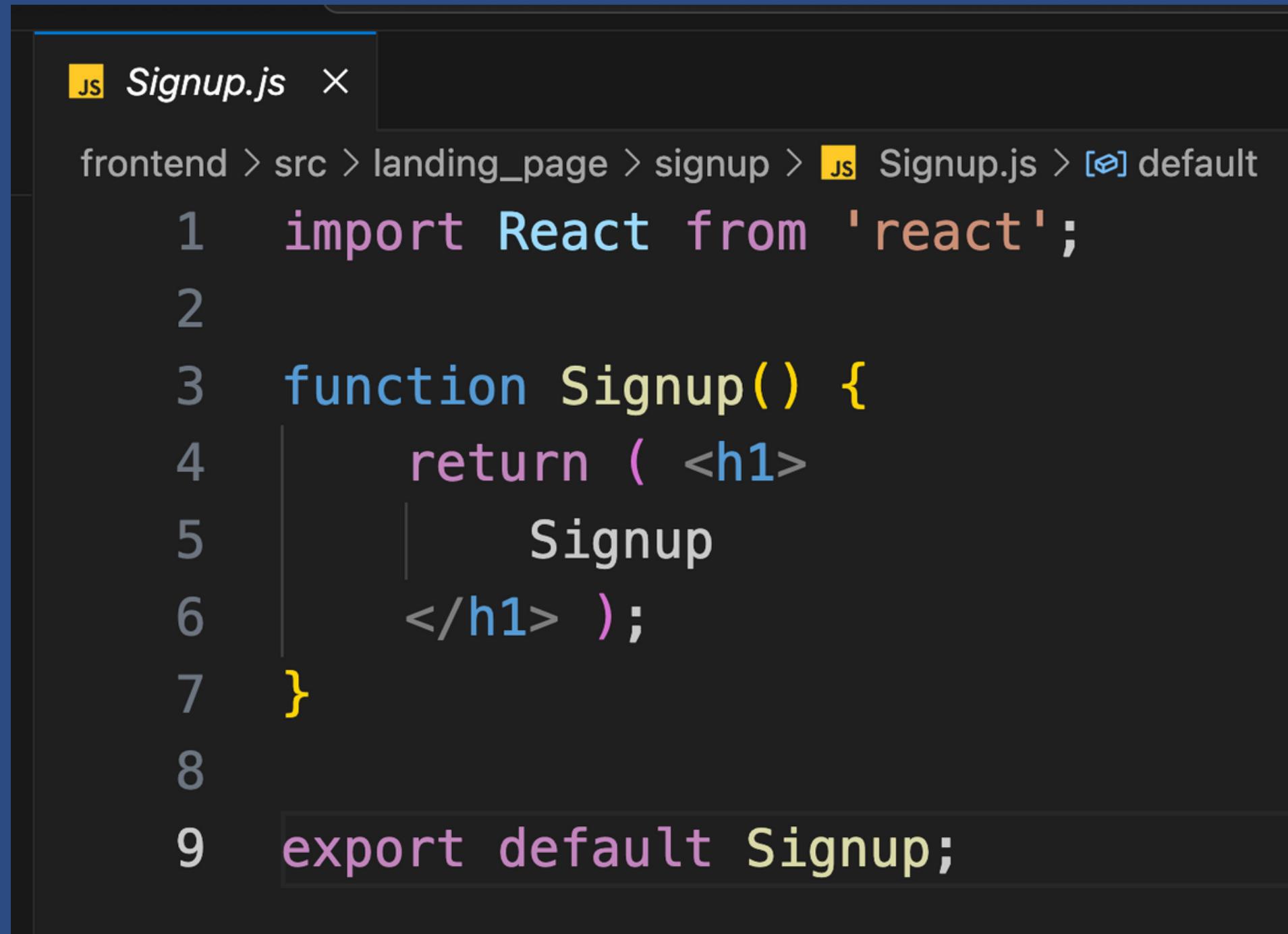


Session Agenda

REACTJS ROUTING AND PROPS

- Creating a new React component
- Nesting React components
- Passing Values as Props
- Linking with React Router

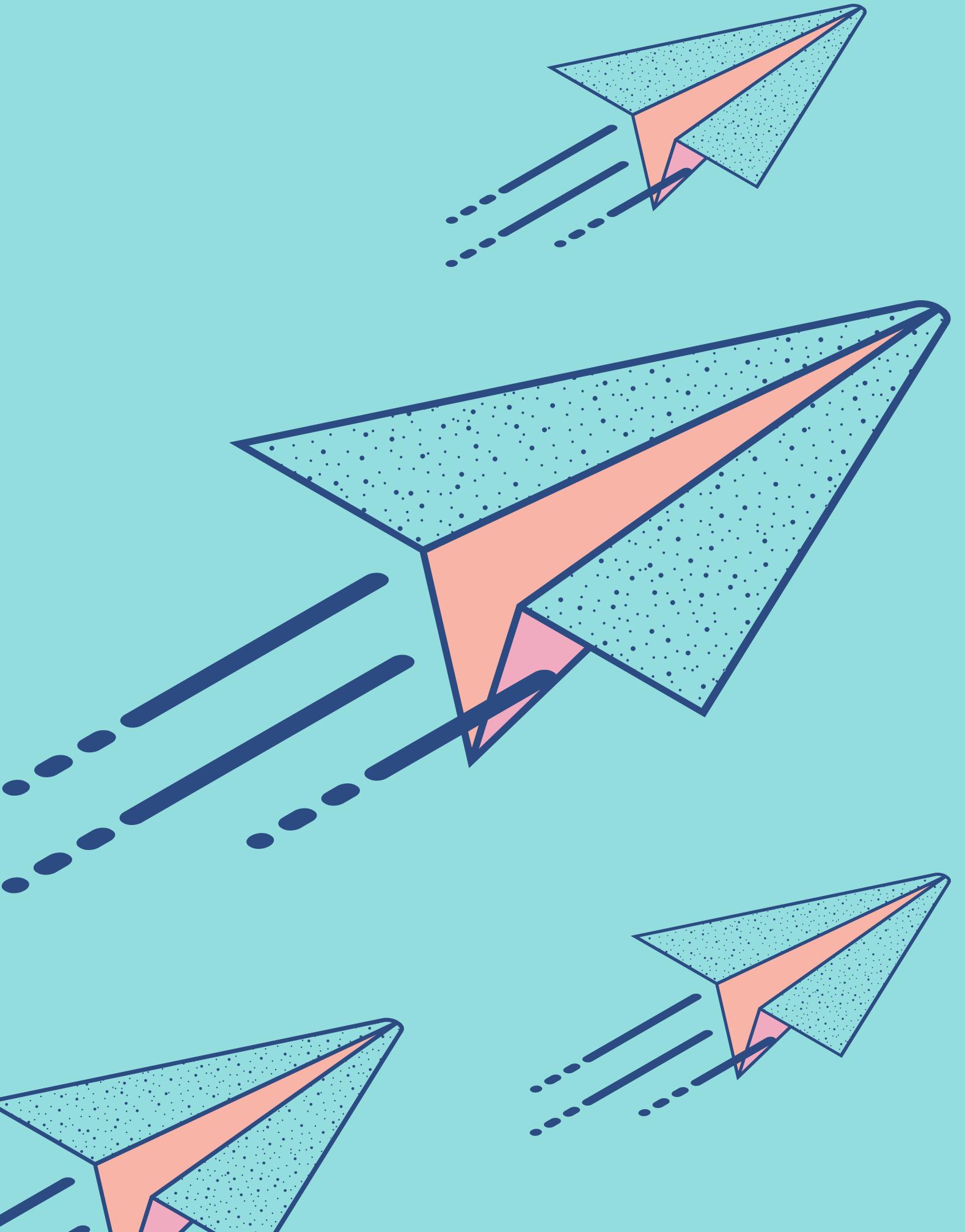
Creating a new React component



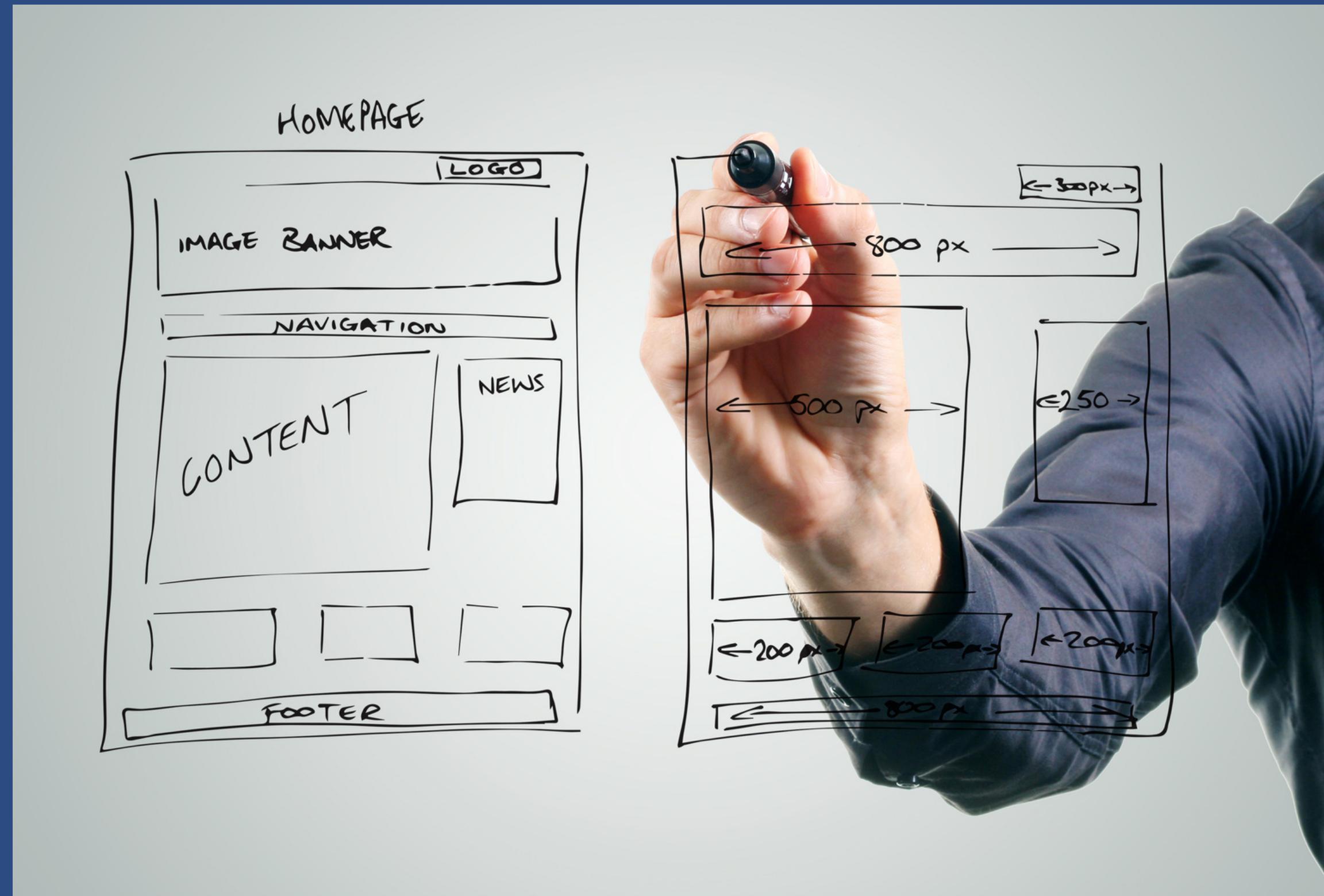
The image shows a screenshot of a code editor with a dark theme. The file tab at the top left is labeled "Signup.js X". Below the tabs, the file path is displayed as "frontend > src > landing_page > signup > Signup.js > default". The main code area contains the following content:

```
1 import React from 'react';
2
3 function Signup() {
4     return ( <h1>
5         Signup
6     </h1> );
7 }
8
9 export default Signup;
```

Do you have any questions?



Nesting React components



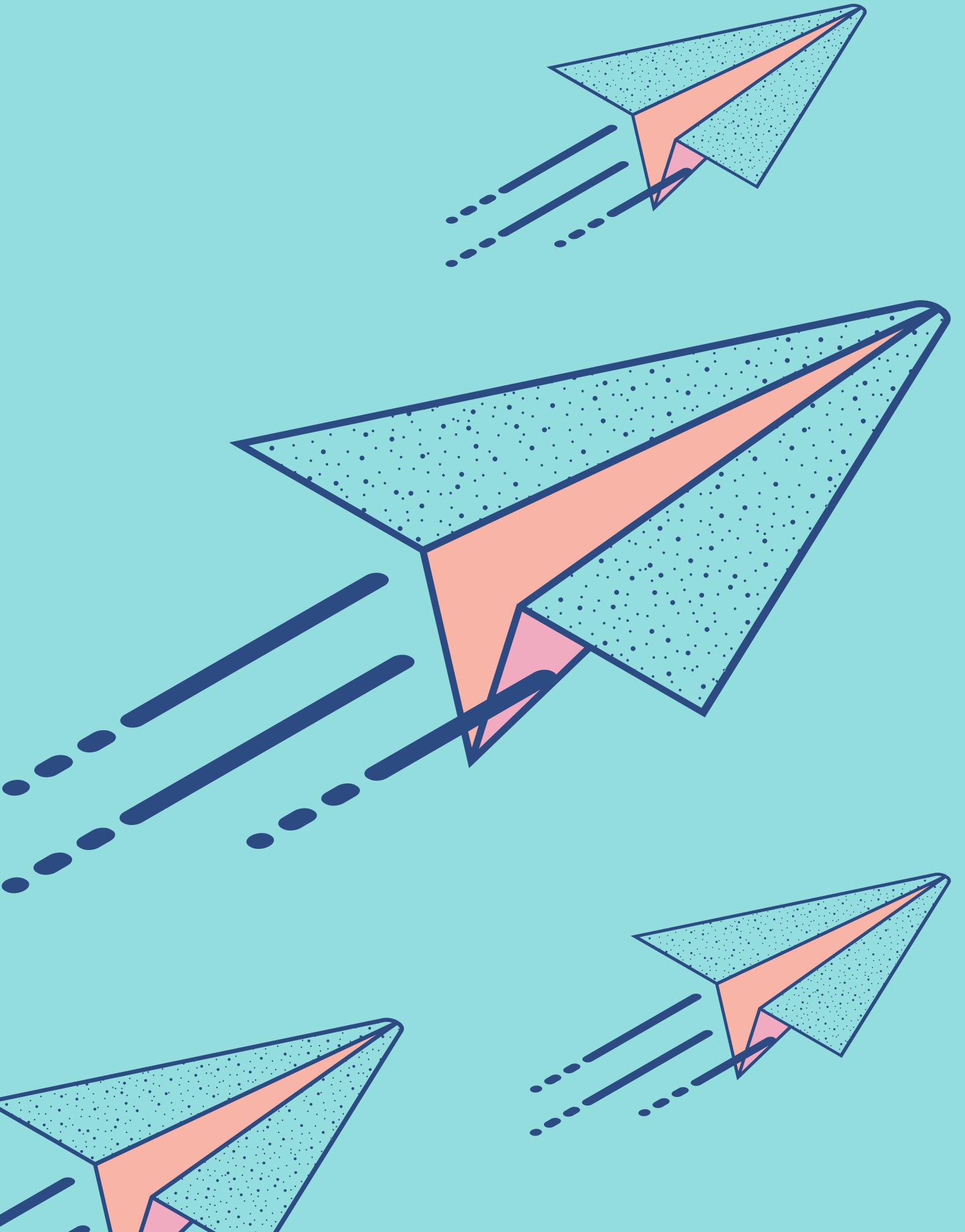
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Passing Values as Props



Do you have any questions?

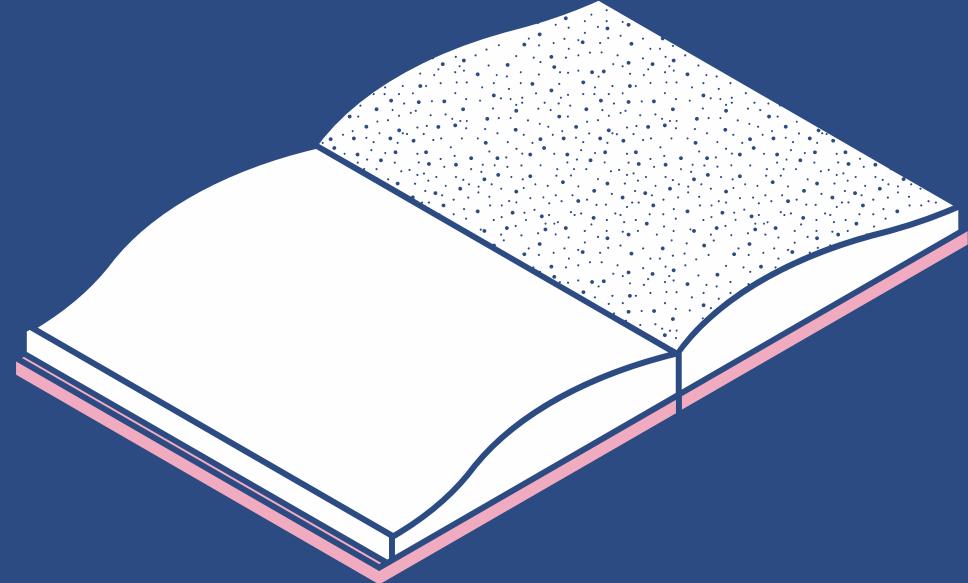


Linking with React Router



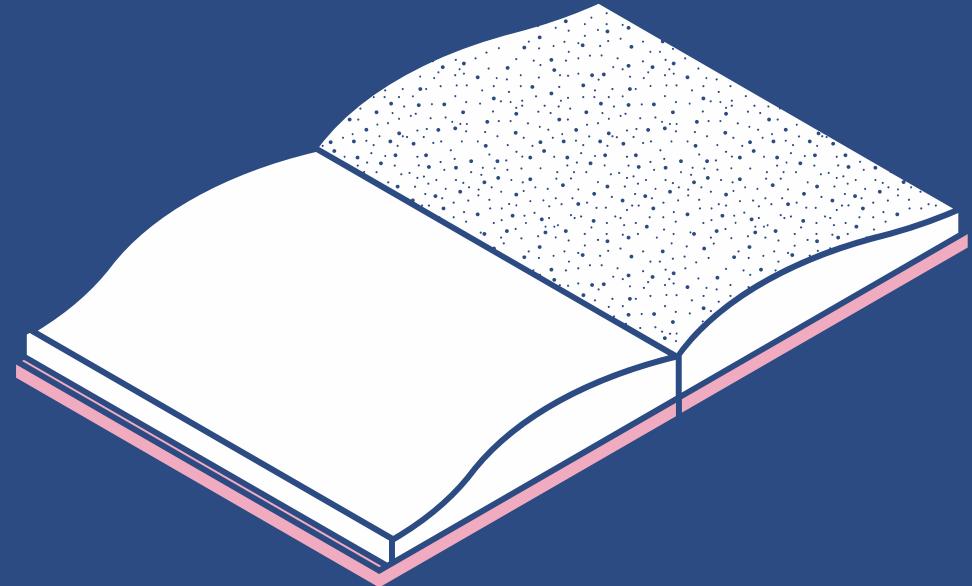
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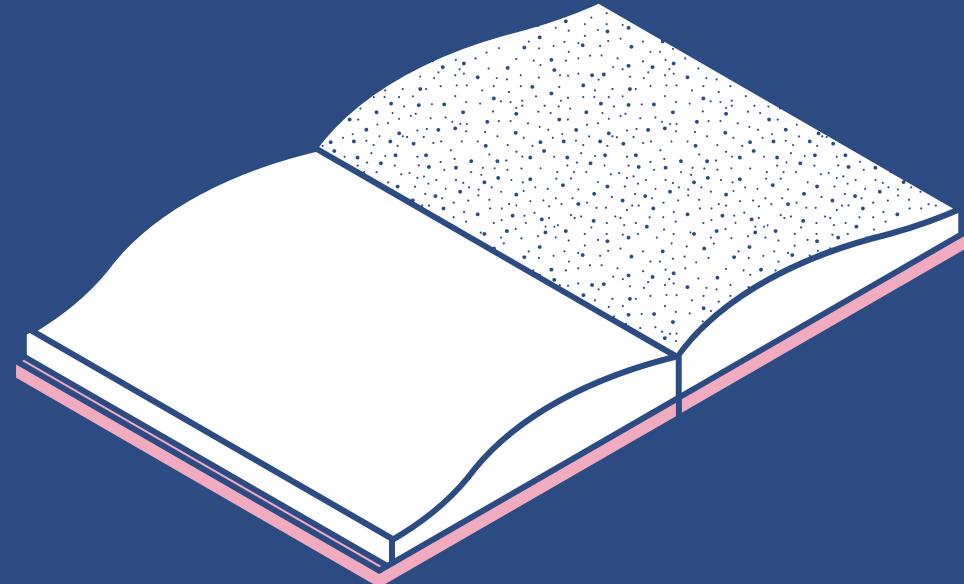
In React Router, how do you create a clickable link to navigate between different components?

1. `<Navigate>`
2. `<Link>`
3. `<Switch>`
4. `<Route>`



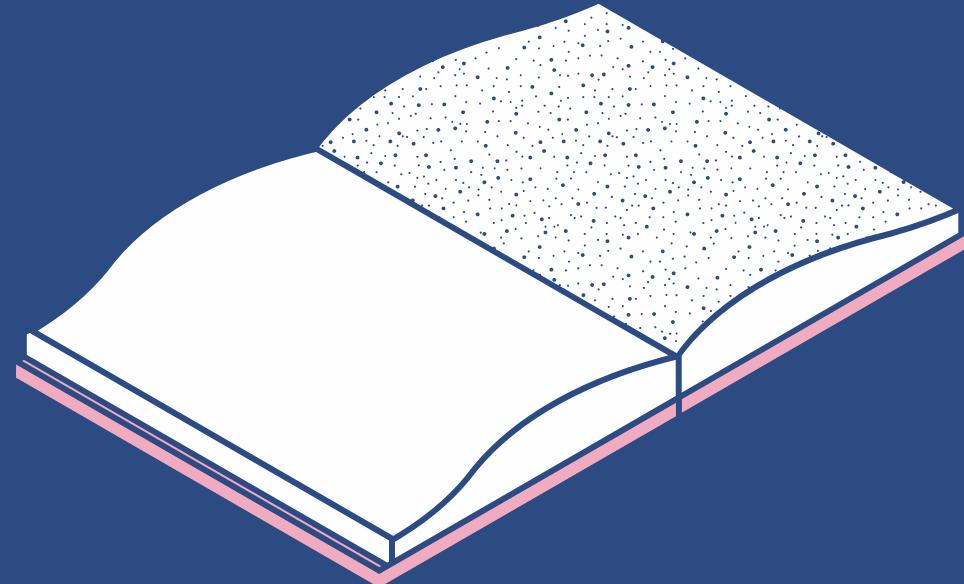
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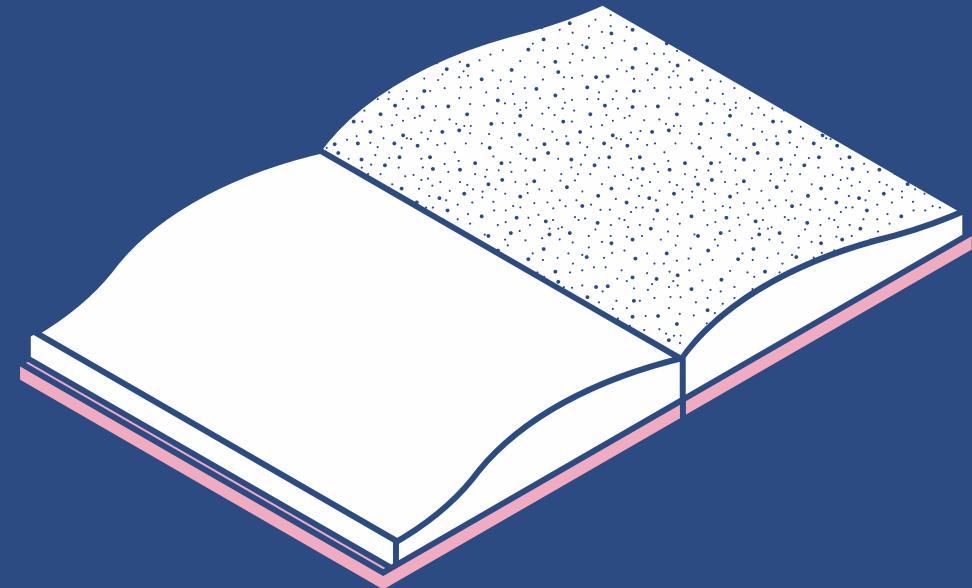
In a functional component,
how do you access the value
passed as a prop?

1. `props.value`
2. `this.props.value`
3. `value`
4. `componentProps.value`



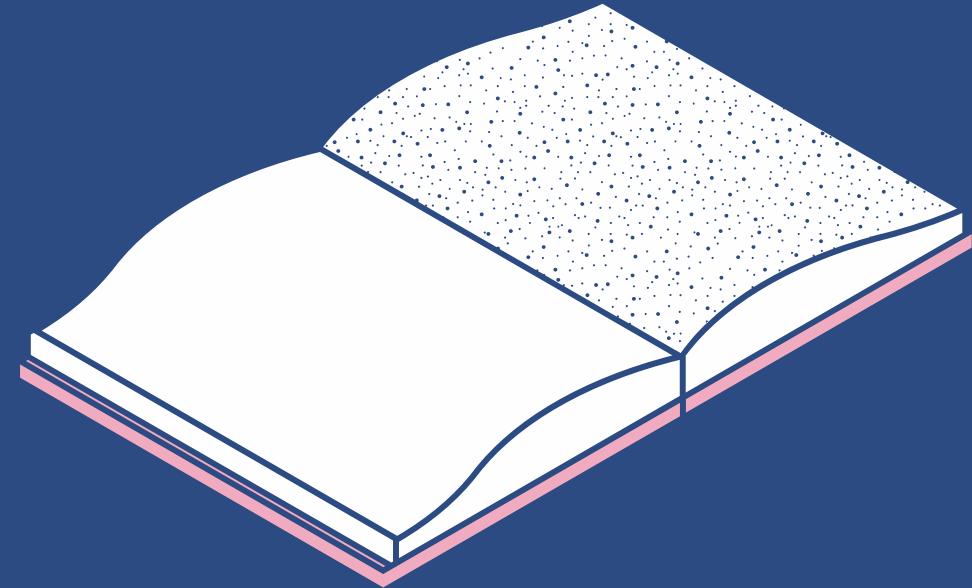
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Which of the following is a correct way to pass multiple values as props to a functional component?

1. <FunctionalComponent prop1={value1} prop2={value2} />
2. <FunctionalComponent props={{ prop1: value1, prop2: value2 }} />
3. <FunctionalComponent value1, value2 />
4. <FunctionalComponent {value1} {value2} />



Which of the following is a correct way to pass multiple values as props to a functional component?

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3. `<FunctionalComponent value1, value2 />`
4. `<FunctionalComponent {value1} {value2} />`