



BLACKBUCK
ENGINEERS



The MERN Development Lab

Session 14 - ReactJS Fundamentals

BY AQUIB AJANI



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GitHub
Repository

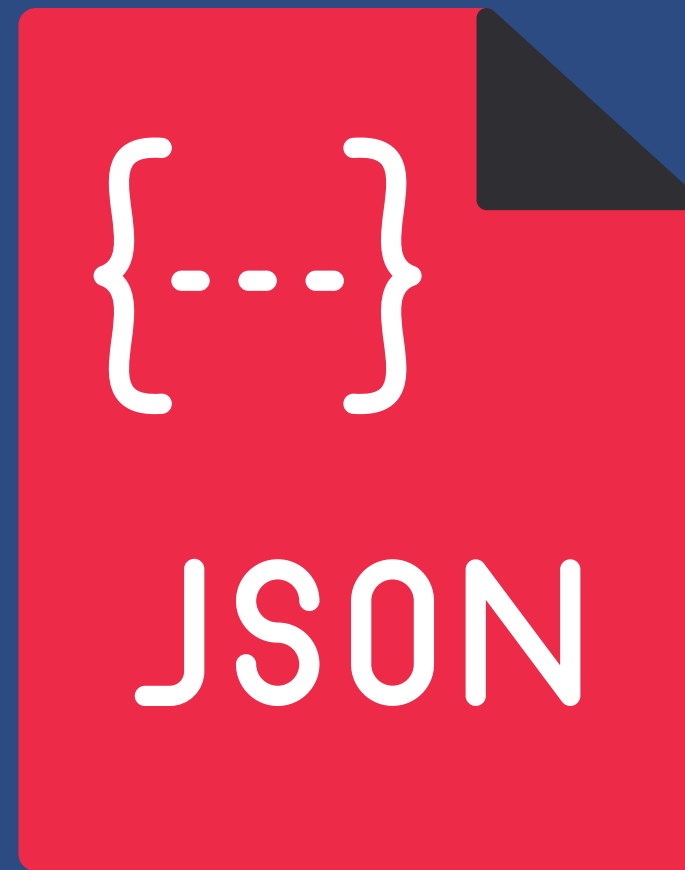
[tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024](https://github.com/tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024)

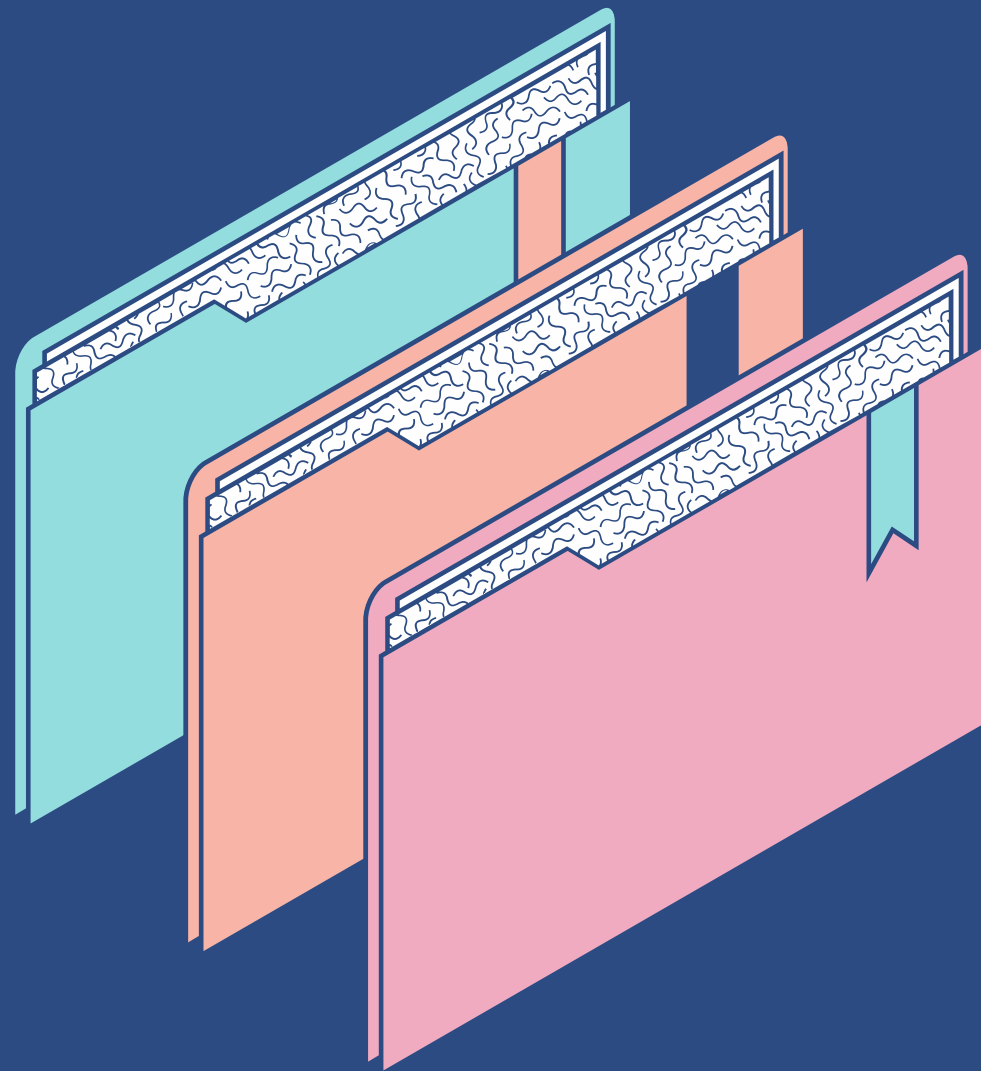
<https://github.com/tabdeelstudios/blackbucks-iidt-internship-full-stack-feb-2024>

Application Programming Interface



JSON Data





Session Agenda

REACTJS FUNDAMENTALS

- What is ReactJS?
- Creating a new ReactJS App
- Exploring default files and folders
- What is a component?
- Breaking a UI into components
- Creating a new React component

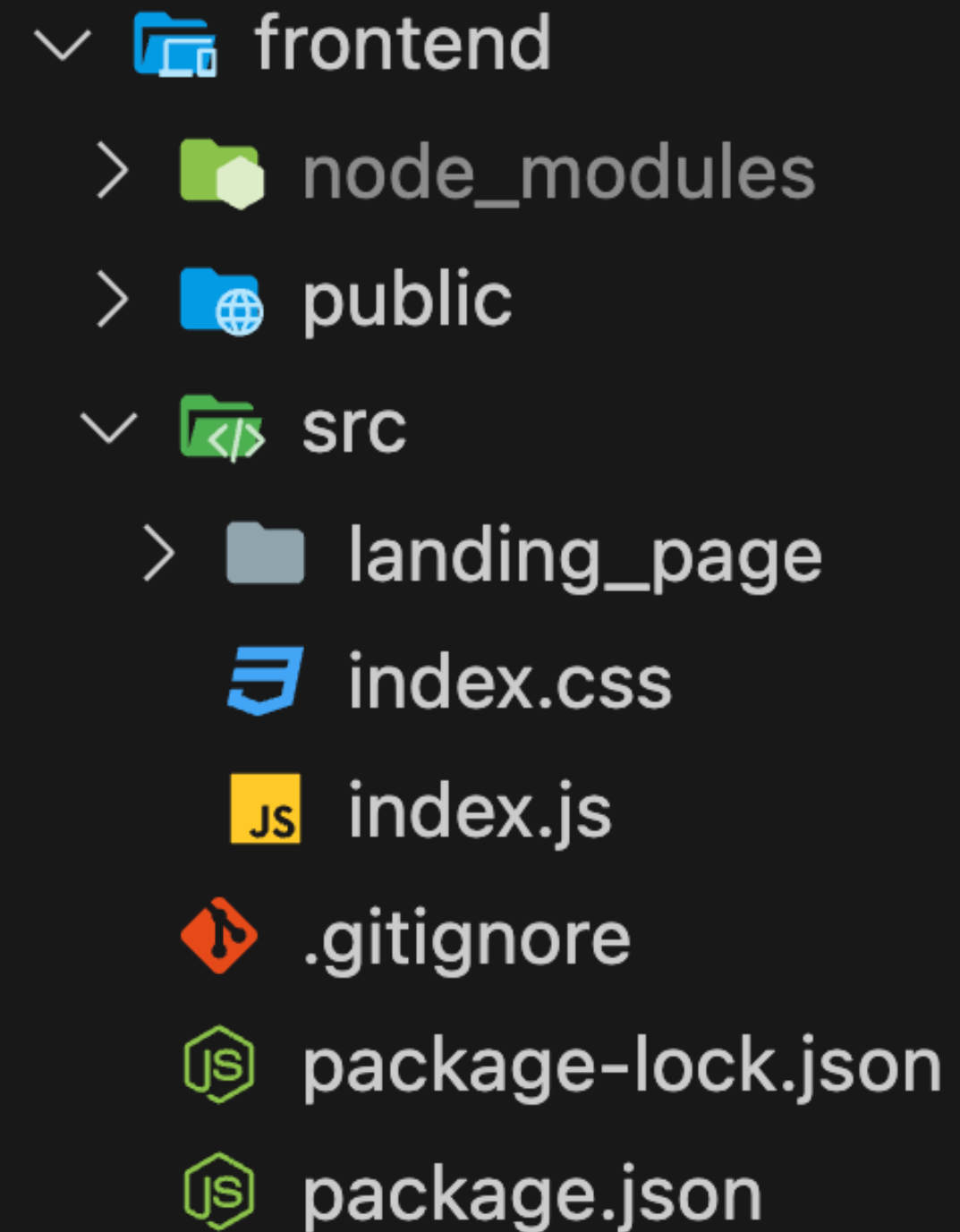
What is ReactJS?



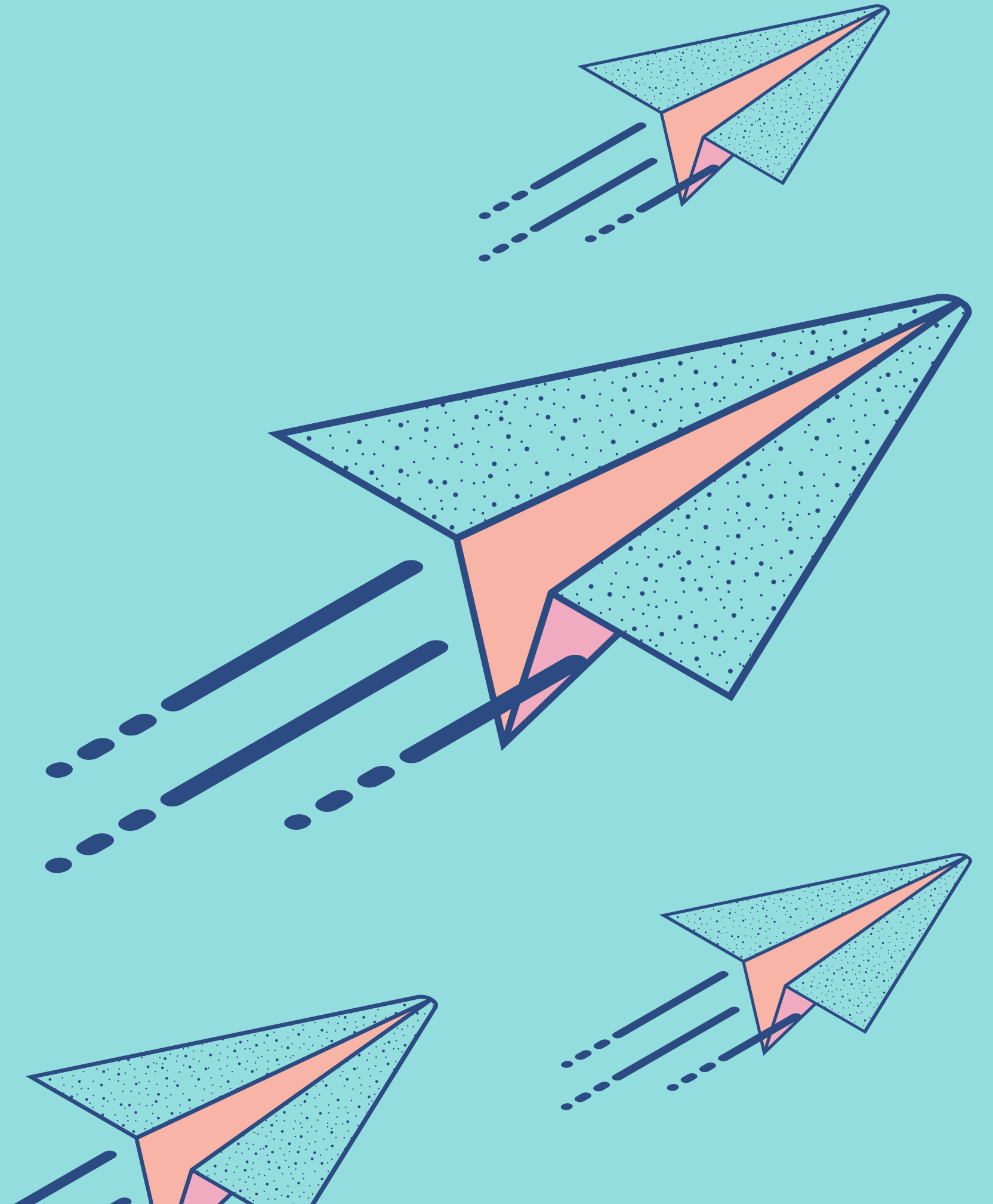
Creating a new ReactJS App

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

Exploring default files and folders

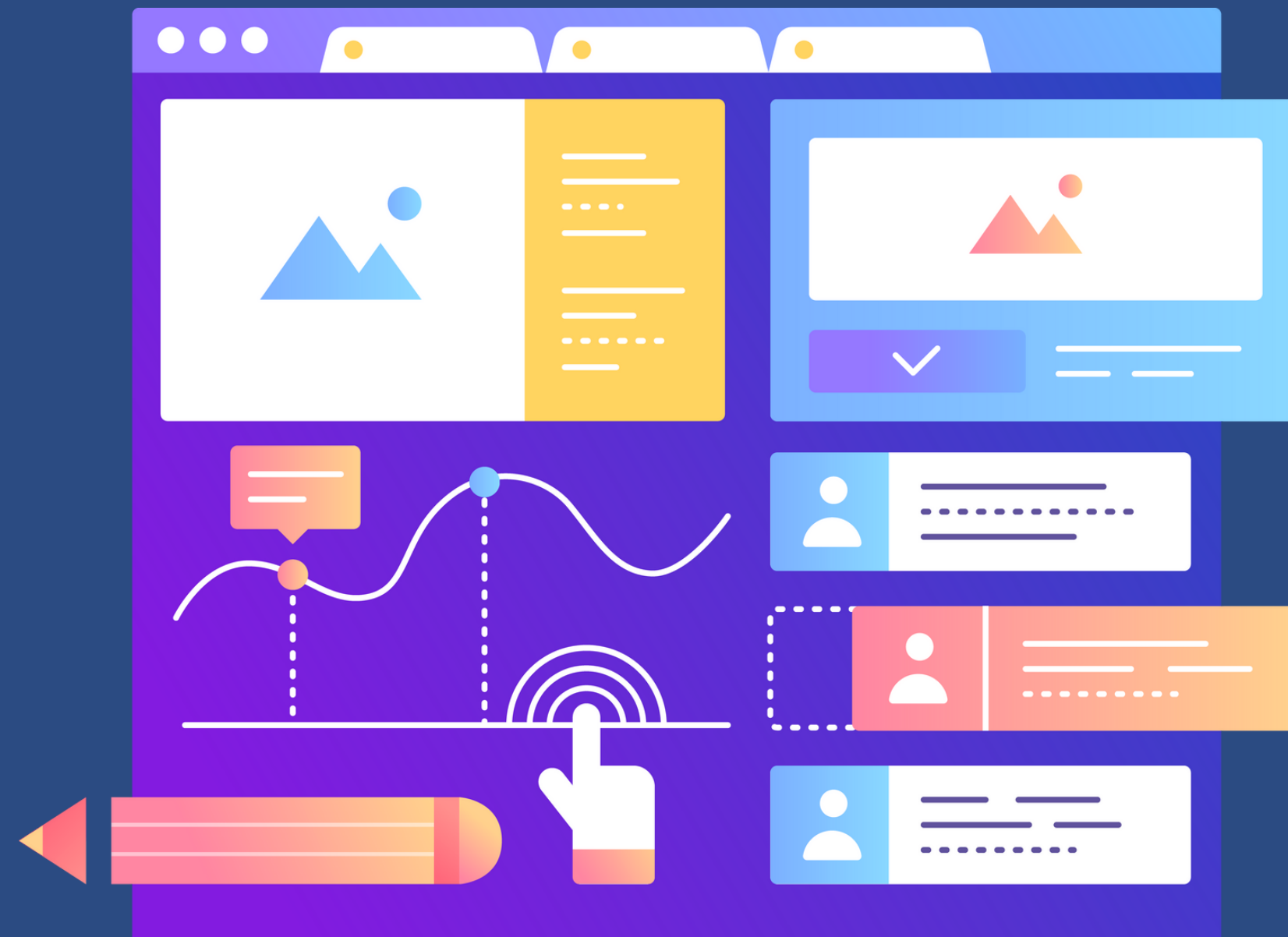


**Do you have
any questions?**



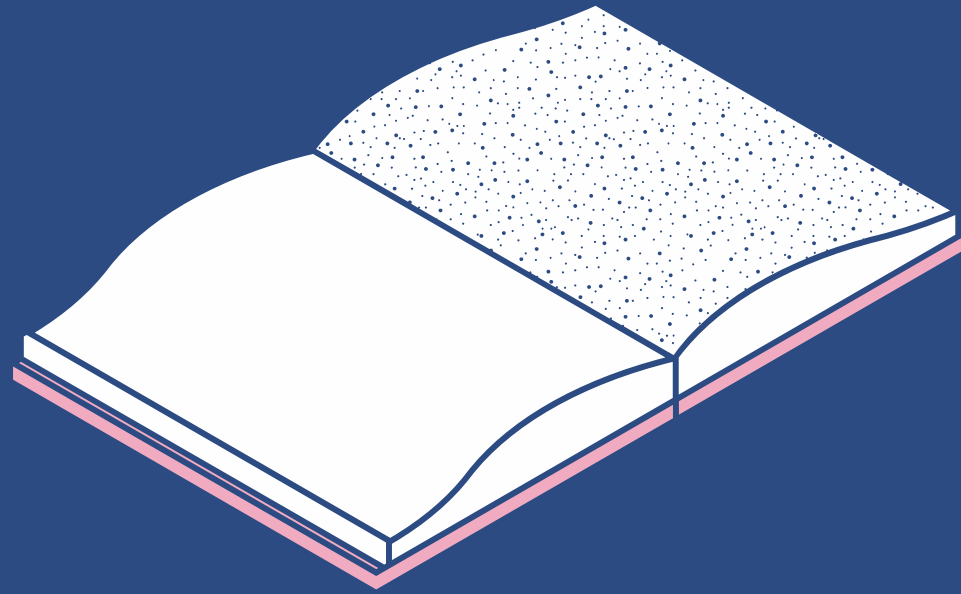
What is a component?

Breaking a UI into components



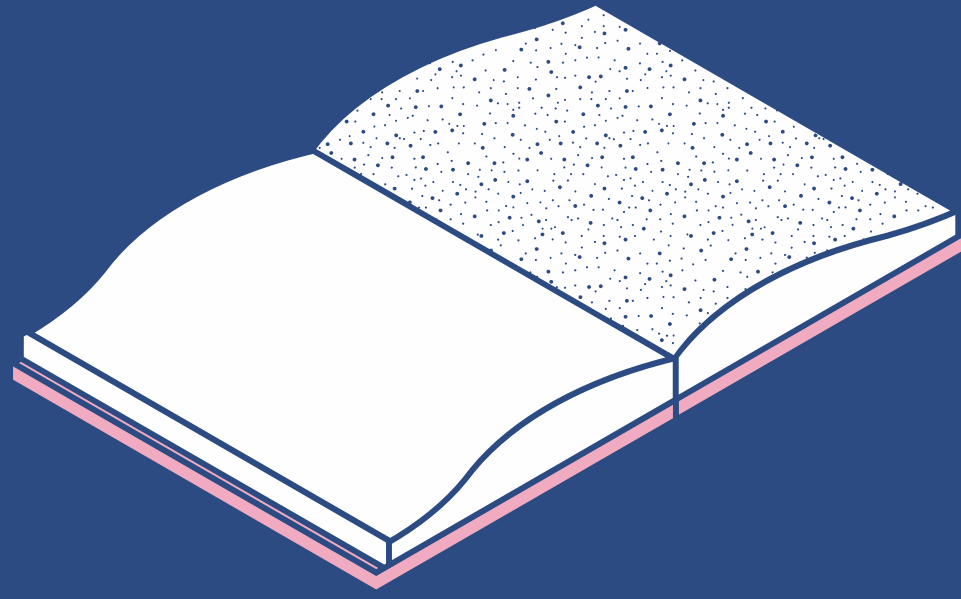
Creating a new React component

```
JS Signup.js ×
frontend > src > landing_page > signup > JS Signup.js > [🔗] default
1  import React from 'react';
2
3  function Signup() {
4    return ( <h1>
5      Signup
6    </h1> );
7  }
8
9  export default Signup;
```



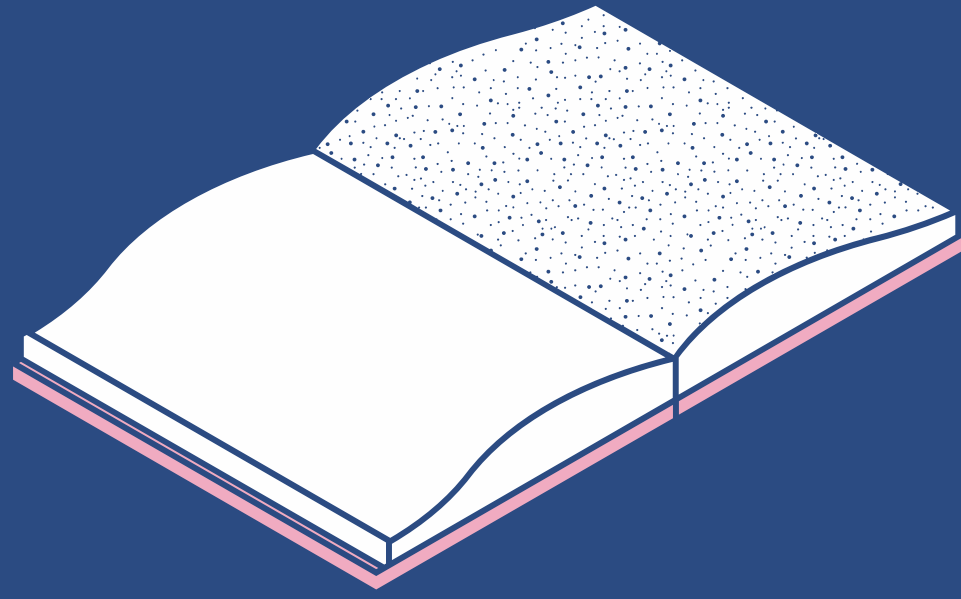
In React, what is the purpose of the “return” statement in a function component?

1. To define the component's props
2. To return the JSX that represents the component's UI
3. To exit the component function
4. To define the component's state



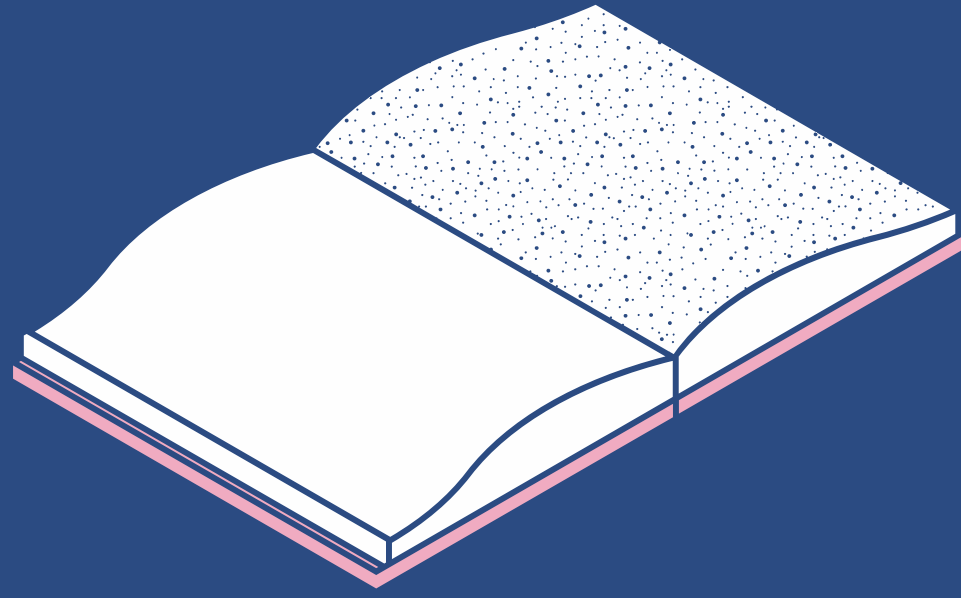
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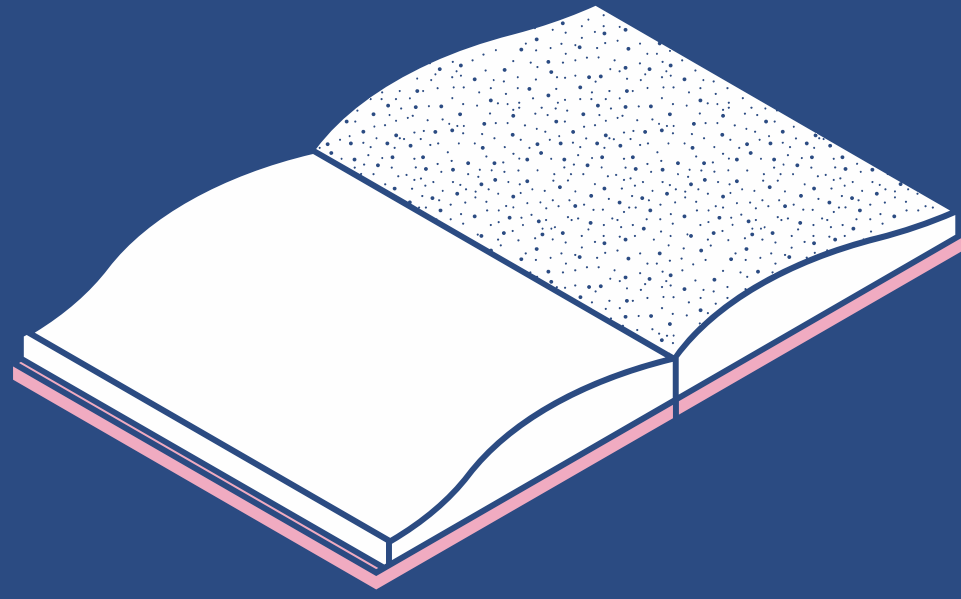
Which npm script is commonly used to start a React application?

- 1. `npm run serve`
- 2. `npm run build`
- 3. `npm run dev`
- 4. `npm run start`



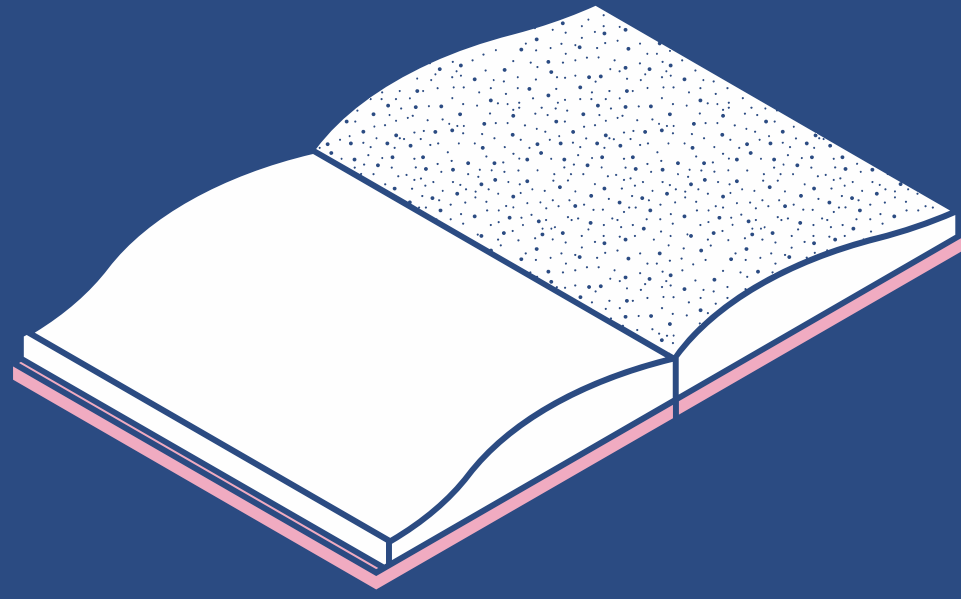
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What is the typical role of the index.js file in a React application?

1. It serves as the entry point for the application
2. It contains the application's configuration settings
3. It defines the global styles for the entire app
4. It is used for routing purposes



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