

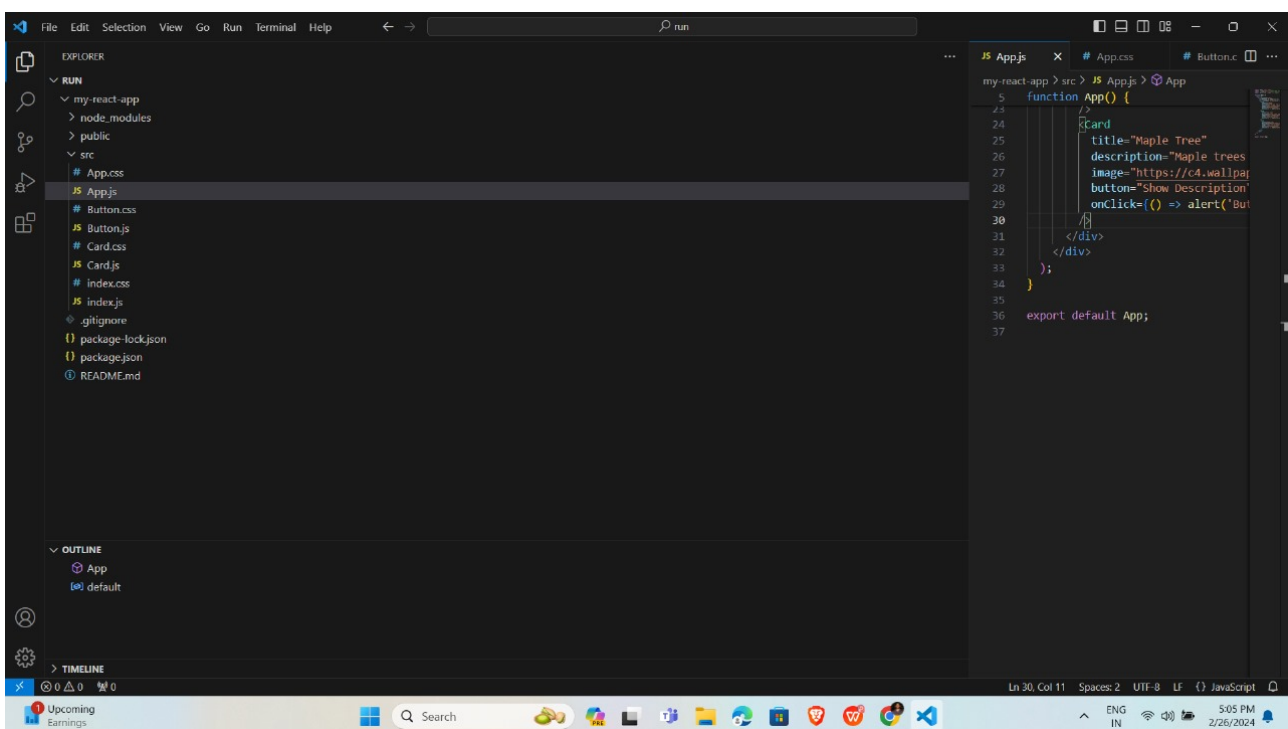
# ASSIGNMENT-2

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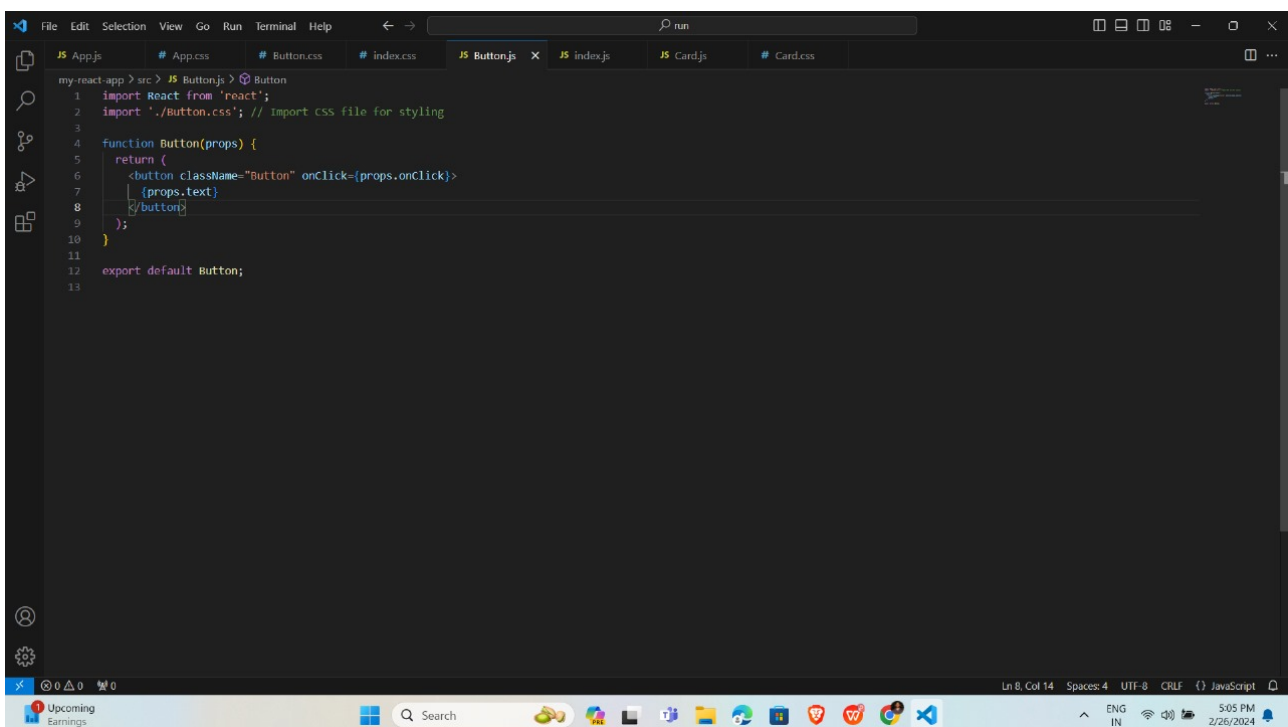
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All Codes:



The screenshot shows the Visual Studio Code editor with a React application project. The Explorer panel on the left shows the file structure: my-react-app > node\_modules, public, src > App.css, Button.css, Button.js, Card.css, Card.js, index.css, index.js, .gitignore, package-lock.json, package.json, and README.md. The Outline panel shows the App component and its default export. The main editor displays the App.js file with the following code:

```
5 function App() {  
  24  
  25  
  26  
  27  
  28  
  29  
  30  
  31  
  32  
  33  
  34  
  35  
  36  
  37  
}
```



The screenshot shows the Visual Studio Code editor with the same React application project. The Explorer panel on the left shows the file structure: my-react-app > src > Button.js, Button.css, Card.js, Card.css, index.js, index.css, .gitignore, package-lock.json, package.json, and README.md. The Outline panel shows the Button component and its default export. The main editor displays the Button.js file with the following code:

```
1 import React from 'react';  
2 import './Button.css'; // Import CSS file for styling  
3  
4 function Button(props) {  
5   return (  
6     <button className="Button" onClick={props.onClick}>  
7       {props.text}  
8     </button>  
9   );  
10 }  
11  
12 export default Button;  
13
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > JS index.js
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import App from './App'; // Import the App component
4 import './index.css'; // Import CSS file for styling
5
6 ReactDOM.render(
7   <React.StrictMode>
8     <App />
9   </React.StrictMode>,
10  document.getElementById('root')
11 );
12
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > # index.css > ...
1 body {
2   width: 100%; height: 100%;
3 }
4
5 #root {
6   display: flex;
7   justify-content: center;
8   align-items: center;
9   height: 100vh;
10 }
11
12
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > JS App.js > ...
1 import React from 'react';
2 import './App.css'; // Import CSS file for styling
3 import Card from './Card'; // Import the card component
4
5 function App() {
6   return (
7     <div className="App">
8       <h1>Potrayal of Trees</h1> /* Update the title to "Potrayal of Trees" */
9       <div className="CardContainer">
10         <Card
11           title="Oak Tree"
12           description="The oak tree is a majestic species that can live for hundreds of years. It is known for its strong wood and broad leaves."
13           image="https://images.pexels.com/photos/218505/pexels-photo-218505.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1"
14           button="Show Description"
15           onClick={() => alert('Button clicked for Oak Tree')}
16         />
17         <Card
18           title="Pine Tree"
19           description="Pine trees are evergreen conifers that can be found in various parts of the world. They are valued for their timber, resin, and scenic beauty."
20           image="https://images.pexels.com/photos/2625032/pexels-photo-2625032.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1"
21           button="Show Description"
22           onClick={() => alert('Button clicked for Pine Tree')}
23         />
24         <Card
25           title="Maple Tree"
26           description="Maple trees are known for their vibrant autumn foliage and sweet sap, which is used to make maple syrup. They are native to North America and Asia."
27           image="https://c4.wallpaperflare.com/wallpaper/883/351/819/nature-landscape-fall-road-wallpaper-preview.jpg"
28           button="Show Description"
29           onClick={() => alert('Button clicked for Maple Tree')}
30         />
31       </div>
32     </div>
33   );
34 }
35
36 export default App;
37
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > # App.css > ...
3 .App {
6 }
7
8
9 .cardContainer {
10   display: flex;
11   justify-content: center;
12   gap: 20px;
13 }
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > JS Cardjs > ...
5 function card(props) {
11
12   return (
13     <div className="Card">
14       {props.image && <img src={props.image} alt="Card" />} {/" Render image if provided "/}
15       <div className="CardContent">
16         <h2>{props.title}</h2>
17         {showDescription && <p>{props.description}</p>} {/" Show description if showDescription is true "/}
18         <button text={showDescription ? "Hide Description" : "Show Description"} onClick={handleButtonClick} />
19       </div>
20     </div>
21   );
22 }
23
24 export default Card;
25
```

```
File Edit Selection View Go Run Terminal Help
my-react-app > src > # Card.css > ...
1 .Card {
6   padding: 20px;
7 }
8
9
10 .Card img {
11   width: 100%; /* Make the image fill the entire width of the card */
12   height: 200px; /* Set a fixed height for the image */
13   object-fit: cover; /* Ensure the image covers the entire container */
14   border-radius: 5px;
15   margin-bottom: 10px;
16 }
17
18 .CardContent {
19   text-align: left;
20 }
```

```
File Edit Selection View Go Run Terminal Help
run
JS App.js # App.css # Button.css X # index.css JS Button.js JS index.js JS Card.js # Card.css
my-react-app > src > # Button.css > ...
1 .Button {
2   background-color: #007bff;
3   color: #fff;
4   border: none;
5   border-radius: 3px;
6   padding: 10px 20px;
7   cursor: pointer;
8   transition: background-color 0.3s ease;
9 }
10
11 .Button:hover {
12   background-color: #0056b3;
13 }
14
```

## OUTPUT:

