TechCarrel

REACT-BOOTSTRAP

React-Bootstrap is a popular open-source library that provides a set of Bootstrap components and styles for building user interfaces in React applications. Bootstrap is a CSS framework that offers a collection of pre-designed UI components and a responsive grid system, making it easier to create visually appealing and responsive web applications. ***React-Bootstrap combines the power of Bootstrap with the flexibility and reactivity of React, allowing developers to easily integrate Bootstrap components into their React projects.***

Key points about React-Bootstrap:

1. **React Integration:** React-Bootstrap provides a set of React components that wrap Bootstrap's HTML and CSS. These components can be used like any other React components, making it easy to build user interfaces with React while maintaining the Bootstrap styling and functionality.

2. **Customization:** While React-Bootstrap provides a ready-to-use set of components, you can still customize them to match your project's specific requirements. You can modify the components' appearance and behavior by passing props and handling events, just like you would with standard React components.

3. **Responsive Design:** Bootstrap's responsive grid system is included in React-Bootstrap, which makes it simple to create layouts that adapt to different screen sizes and devices.

4. **Rich Component Library:** React-Bootstrap offers a wide range of components, including buttons, forms, modals, navigation bars, alerts, and more. You can easily add these components to your application to enhance its user interface.

Documentation link :https://react-bootstrap.github.io
Install package:npm install react-bootstrap bootstrap

Import bootstrap into index.js one time
```
Index.js
import'bootstrap/dist/css/bootstrap.min.css';
```

e.g.-1

```
import React from "react";
import {Button} from 'react-bootstrap'
function  App(){
  return (
<div>
<Button onClick={()=>{alert('hello')}}> Submit</Button>

</div>
  );

}
```

e.g.-2

```
import React from "react";
import { Button } from "react-bootstrap";
function App() {
  return (
<div>
<Button variant="primary">Primary</Button>{" "}
<Button variant="secondary">Secondary</Button>{" "}
<Button variant="success">Success</Button>{" "}
<Button variant="warning">Warning</Button>{" "}
<Button variant="danger">Danger</Button>{" "}
<Button variant="info">Info</Button>{" "}
<Button variant="light">Light</Button>{" "}
<Button variant="dark">Dark</Button>
<Button variant="link">Link</Button>
</div>
  );
}
export default App;
```

e.g.-3

```
import React from "react";
import {Button,Alert} from 'react-bootstrap'
function  App(){
  return (
<div>
    {[
    'primary',
    'secondary',
    'success',
    'danger',
    'warning',
    'info',
    'light',
    'dark',
].map((variant) => (
<Alert key={variant} variant={variant}>
      This is a {variant} alert—check it out!
</Alert>
    ))}

</div>
  );

}
export default App;
```

e.g.-4

```
import "./App.css";
import React from "react";
import { Table } from "react-bootstrap";
function App() {
  const users = [
{ name: "akhielsh", email: "akhilesh@test.com", contact: "111" },
{ name: "raj", email: "raj@test.com", contact: "222" },
{ name: "tulika", email: "tulika@test.com", contact: "111" },
{ name: "naresh", email: "naresh@test.com", contact: "777" },
  ];
  return (
<div className="App">
<h1>List With Bootstrap Table</h1>
<Table striped variant="dark">
<tbody>
<tr>
<td>Name</td>
<td>Email</td>
<td>Contacts</td>
</tr>
      {users.map((item, i) =>
item.contact === "000" ? (
        //<tr key={i}>
<tr>
<td>{item.name}</td>
<td>{item.email}</td>
<td>{item.contact}</td>
</tr>
) : null
      )}
</tbody>
</Table>
</div>
  );
}
export default App;
```