REACTJS - ROUTER

ROUTER

ROUTER - USER INTERFACE SETUP

```jsx
class Blog extends Component {
    render() {
        return (
            <div className="Blog">
                <header>
                    <nav>
                        <ul>
                            <li><a href="/">Home</a></li>
                            <li><a href="/new-post">Post</a></li>
                        </ul>
                    </nav>
                </header>
            </div>
        );
    }
}

export default Blog;
```
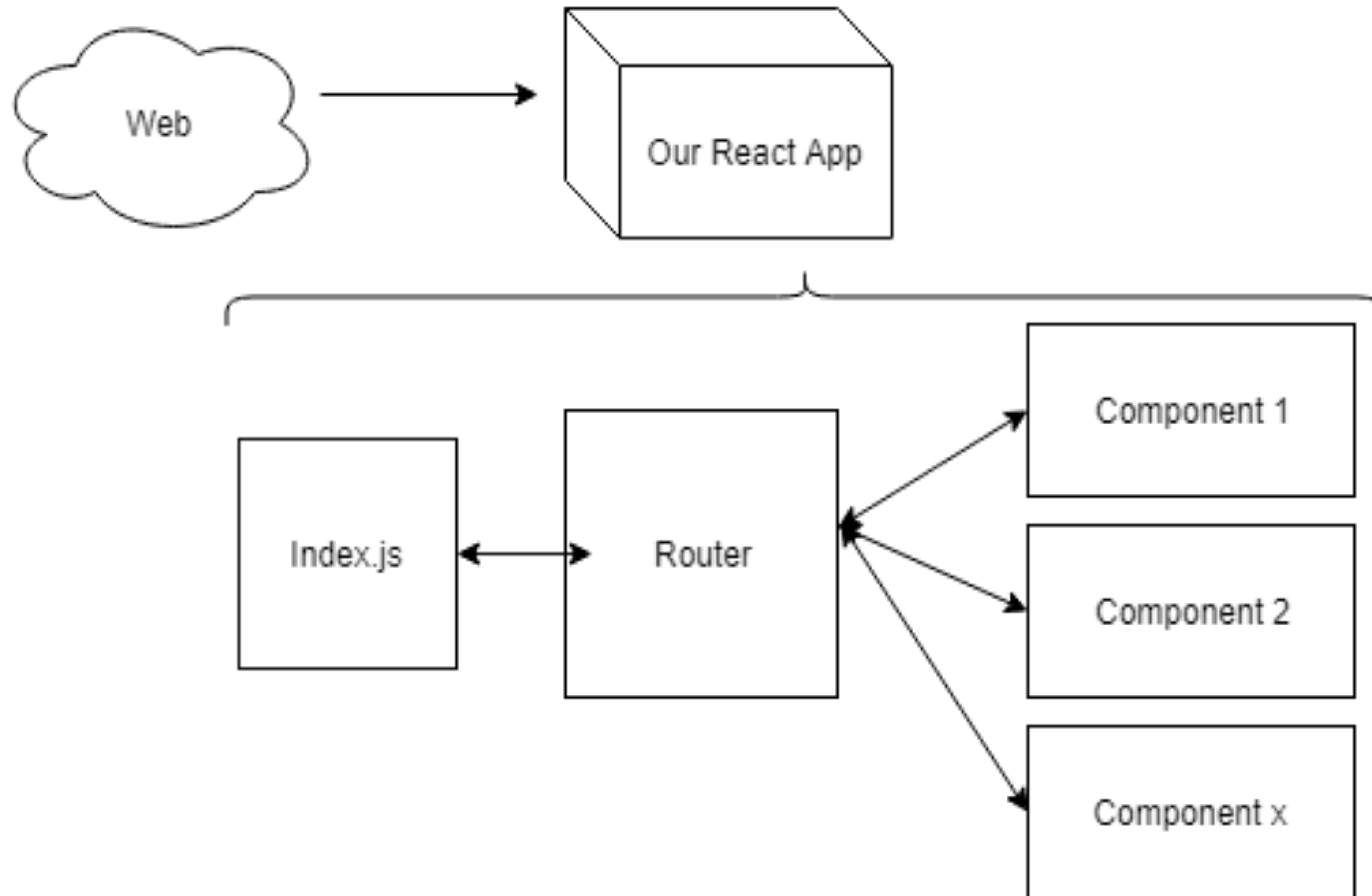
npm install react-router

npm install react-router-dom

BROWSER ROUTER

```
import { BrowserRouter } from 'react-router-dom';

import Blog from './containers/Blog/Blog';

class App extends Component {
  render () {
    return (
      <BrowserRouter>
        <div className="App">
          <Blog />
        </div>
      </BrowserRouter>
    );
  }
}

export default App;
```

ROUTE SETUP

```jsx
import { Route} from 'react-router-dom';
class Blog extends Component {
    render() {
        return (
            <div className="Blog">
                <header>
                    <nav>
                        <ul>
                            <li><a href="/">Home</a></li>
                            <li><a href="/new-post">Post</a></li>
                        </ul>
                    </nav>
                </header>
                <Route path="/" exact render={() => <h1>Home</h1>} />
                <Route path="/" render={() => <h1>Home 2</h1>} />
            </div>
        );
    }
}
```

ROUTE WITH COMPONENT

```jsx
<div className="Blog">
    <header>
        <nav>
            <ul>
                <li><a href="/">Home</a></li>
                <li><a href="/new-post">Post</a></li>
            </ul>
        </nav>
    </header>
    {/* <Route path="/" exact render={() => <h1>Home</h1>} />
    <Route path="/" render={() => <h1>Home 2</h1>} />    */}
    <Route path="/" exact component={Posts} />
    <Route path="/new-post" component={NewPost} />
</div>
```

ROUTER WITH LINK

```jsx
import { Route, Link } from 'react-router-dom';

class Blog extends Component {
    render() {
        return (
            <div className="Blog">
                <header>
                    <nav>
                    <ul>
                        <li><Link to="/">Home</Link></li>
                        <li><Link to={{
                            pathname: '/new-post',
                            hash: '#submit',
                            search: '?quick-submit=true'
                        }}>New Post</Link></li>
                    </ul>
                    </nav>
                </header>
```

REDIRECT IN CLASS BASED COMPONENT

```
renderRedirect = () => {
 return this.props.history.push('/main');
}
```

REDIRECT IN FUNCTIONAL COMPONENT

```javascript
import { useHistory } from "react-router-dom";

const Login=()=>{

  const history = useHistory();
```

REDIRECT IN FUNCTIONAL COMPONENT

```
const onSubmitHandler=(event)=>{
        debugger;
        event.preventDefault();
        return history.push("/register")
```