

The provided code you shared is a React component named Conditional that demonstrates conditional rendering. Here's a breakdown of the code and its functionality:

Functionality:

This component simulates a login scenario. It displays a heading "CONDITIONAL RENDERING" followed by an explanation of conditional rendering in React. It then shows an image and further explanation with bullet points.

The key functionality lies in the state variable `isLoggedIn` managed using the `useState` hook. This variable tracks whether the user is logged in (`true`) or not (`false`).

There are two buttons: "Login" and "Logout". Clicking "Login" sets `isLoggedIn` to `true`, and clicking "Logout" sets it to `false`.

The conditional rendering part utilizes the value of `isLoggedIn`.

- If `isLoggedIn` is `true`:
 - A welcome message "Welcome User!" is displayed.
 - A "Logout" button is shown.
- If `isLoggedIn` is `false`:
 - A message "Please Login" is displayed.
 - A "Login" button is shown.

Explanation of the Code:

1. Imports:

- `useState` hook from `react` to manage state.
- An image (`img`) imported from a path (`../../src/Assets/1.png`).
- CSS styles from `ConditionalStyle.css`.

2. Conditional Function:

- Defines a state variable `isLoggedIn` with an initial value of `false` using `useState`.
- Two functions to handle button clicks:
 - `handleLogin`: Sets `isLoggedIn` to `true` on login button click.
 - `handleLogout`: Sets `isLoggedIn` to `false` on logout button click.

3. Return Statement:

- Renders a container (`div`) with two sub-containers:
 - Text container (`div`):
 - Displays headings and explanation about conditional rendering.
 - Shows the explanation image.
 - Conditional rendering based on `isLoggedIn`:
 - If `isLoggedIn` is `true`:
 - Renders a welcome message, logout button, and another explanation about conditional rendering.
 - If `isLoggedIn` is `false`:
 - Renders a login message, login button, and another explanation about conditional rendering.

- The conditional rendering uses a ternary operator (`? :`) to decide which content to display based on the value of `isLoggedIn`.

4. **Export:**

- Exports the `Conditional` component using `export default Conditional`.

This component showcases a basic example of conditional rendering in React. You can extend this concept to create more complex and dynamic user interfaces that adapt based on different application states.