

React Router DOM Basics - Examples Guide

1. BrowserRouter

React App ke around router system lagana hota hai.

Example:

- Jaise ek ghar ke andar alag alag kamray hote hain, waise hi React App ke andar alag pages hote hain.
- BrowserRouter us ghar ka darwaza hai jo andar jane ka rasta deta hai.

2. Routes + Route

Ye batata hai kaun sa URL kis component ko dikhaye.

Example:

- '/' = Home Page
- '/about' = About Page
- '/contact' = Contact Page
- Jaise: Jab koi '/about' likhe to About wala section dikhana.

3. Link

React me bina reload ke page change karne ka tariqa.

Example:

- Home page me button 'Go to About' ho, us par click karne par user '/about' page par chala jaye.
- Link React ka anchor tag hota hai.

4. useParams

URL me se dynamic value nikalne ke liye.

Example:

- Agar URL hai '/user/15' to useParams() se '15' milta hai.
- Is ID se aap database se user ka detail fetch kar sakte hain.

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5. useNavigate

React code se user ko manually kisi aur page par bhejna.

Example:

- Agar user login kare, to usse '/dashboard' par bhej do.
- Ya button click hone par '/profile' par bhejna.

6. Navigate (Redirect)

Condition ke base par kisi ko auto dusre page par bhejna.

Example:

- Agar user login nahi hai to usse '/login' par automatically redirect kar do.
- Ye tab use hota hai jab user restricted page par bina permission ke jaye.

7. 404 Not Found Route

Invalid route par fallback component dikhana.

Example:

- Agar koi '/unknownpage' likhe, to 'Page Not Found' component dikhana.
- Ye app ki user experience ko better banata hai.