

## MERN Stack Training

**Company:** Sensation Software Solutions

**Student Name:** Gurvinder Singh

**Training Duration:** 6 Months

**Days:** 23

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### Objective of the Day

The objective of Day 23 was to learn **React Routing using React Router** and understand how navigation works in single-page applications.

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### Work Done on Day 23

The trainer explained the concept of **Single Page Applications (SPA)** and how React avoids page reloads.

After that, **React Router DOM** was introduced to manage multiple pages.

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### Routing in React

We learned about:

- BrowserRouter
- Routes
- Route
- Link

#### Example:

```
import { BrowserRouter, Routes, Route, Link } from "react-router-dom";

function App() {
  return (
    <BrowserRouter>
      <Link to="/">Home</Link>
      <Link to="/about">About</Link>

      <Routes>
        <Route path="/" element={<Home />} />
        <Route path="/about" element={<About />} />
      </Routes>
    </BrowserRouter>
  );
}
```

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## Hands-on Practice

We created a small multi-page React app with:

- Home page
- About page
- Contact page

Navigation was implemented without page reload.

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## Conclusion

Day 23 helped in understanding **application navigation**, which is required for all professional React projects.

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