

✓ 1. Framework Mode / Data Mode / Declarative Mode

React Router v7 hoạt động giống một **framework router**:

- **Declarative**: Định nghĩa router bằng JSON thay vì JSX.
- **Data Mode**: Hỗ trợ loader, action, errorElement.
- **Framework Mode**: Hoạt động giống router trong Next.js, Remix.

Sử dụng `createBrowserRouter` và `RouterProvider`.

✓ 2. Basic Router (Cơ bản)

```
import { createBrowserRouter, RouterProvider } from "react-router-dom";
import Home from "../pages/Home";
import About from "../pages/About";

const router = createBrowserRouter([
  { path: "/", element: <Home /> },
  { path: "/about", element: <About /> },
]);

export default function App() {
  return <RouterProvider router={router} />;
}
```

✓ 3. Dynamic Router (Route động)

```
import Product from "../pages/Product";

{
  path: "/product/:id",
  element: <Product />,
  loader: async ({ params }) => {
    const res = await fetch(`/api/product/${params.id}`);
    return res.json();
  }
},
```

✓ 4. Nested Router (Lồng nhau) + <Outlet />

```
import Introduces from "../pages/Introduces";
import Test from "../pages/Test";

{
  path: "/intro",
  element: <Introduces />,
  children: [
    {
      path: "test/:id",
      element: <Test />,
      loader: async ({ params }) => {
        return { id: params.id };
      }
    }
  ]
}
```

Trong Introduces.jsx, bạn cần có:

```
import { Outlet, Link } from "react-router-dom";

export default function Introduces() {
  return (
    <div>
      <h1>Introduces</h1>
      <Link to="test/1">Test 1</Link>
      <Link to="test/2">Test 2</Link>
      <Outlet />
    </div>
  );
}
```

Trong Test.jsx:

```
import { useLoaderData } from "react-router-dom";

export default function Test() {
  const { id } = useLoaderData();
  return <div>Test Page ID: {id}</div>;
}
```

✓ 5. Not Found Page (404)

```
import NotFound from "../pages/NotFound";

{
  path: "*",
  element: <NotFound />
}
```