

Exercice pratique :

Créez une application React avec les pages Connexion, Inscription et Accueil, ainsi qu'une barre de navigation pour une navigation fluide.

Solution :

```
npm i vite -g
```

```
npm create vite tprouter
```

```
cd tprouter
```

```
npm install
```

```
npm install react-router-dom bootstrap
```

Structure du projet :

```
├── components/
│   ├── Index.jsx
│   ├── NavBar.jsx
│   └── pages/
│       ├── Home.jsx
│       ├── Login.jsx
│       └── Register.jsx
├── App.jsx
├── router.jsx
└── index.jsx
```

```
// router.jsx
import { createBrowserRouter } from "react-router-dom";

import Index from "../components/Index";
import HomePage from "../components/pages/Home";
import RegisterPage from "../components/pages/Register";
import LoginPage from "../components/pages/Login";

const router = createBrowserRouter([
  {
    element: <Index />,
  },
]);
```

```

    children: [
      {
        path: "/",
        element: <HomePage />,
      },
      {
        path: "login",
        Component: LoginPage,
      },
      {
        path: "register",
        Component: RegisterPage,
      },
      {
        path: "*",
        element: <h1>Error 404</h1>,
      },
    ],
  },
]);
export default router;

```

App.jsx

```

import { RouterProvider } from 'react-router-dom'
import router from './router.jsx'

function App() {
  return (
    <>

      <RouterProvider router={router} />

    </>
  )
}

export default App

```

index.jsx

```
import { Outlet } from "react-router-dom";
import NavBar from "../Layout/NavBar.jsx";

function Index() {
  return (
    <>
      <NavBar />
      <div className="container">
        <Outlet />
      </div>
    </>
  );
}

export default Index;
```

NavBar.jsx

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

function NavBar() {
  return (
    <>
      <div className="container">
        <header className="d-flex flex-wrap justify-content-center py-3 mb-4 border-bottom">
          <h1 className="d-flex align-items-center mb-3 mb-md-0 me-md-auto link-body-emphasis text-decoration-none">
            <Link to="/">Home</Link>
          </h1>
          <ul className="nav nav-pills">
            <>
              <li className="nav-item">
                <Link
                  to="/login"
                  className="nav-link active"
                  aria-current="page"
                >
                  Login
                </Link>
              </li>
              <li className="nav-item">
                <Link to="/register" className="nav-link">

```

```
        Register
      </Link>
    </li>
  </>
</ul>
</header>
</div>
</>
);
}

export default NavBar;
```