ACTIVITY 11

TODO LIST – Axios

Name: Vansh Chaurasiya

RegNo: 12217737

INT252

Code:

App.jsx

```jsx
import './App.css'
import { createBrowserRouter, RouterProvider } from 'react-router-dom'
import Home from './components/Home'
import About from './components/About'
import Todo from './components/Todo'
import Header from './components/Header'

const router = createBrowserRouter([
  {
    path: '/',
    element: <Header />
  },
  {
    path: '/home',
    element: <Home />
  },
  {
    path: '/about',
    element: <About />
  },
  {
    path: '/todo',
    element: <Todo />
  }
])

function App() {

  return (
    <>
```

```
      <RouterProvider router={router} >
        <Header />
      </RouterProvider>
    </>
  )
}


export default App
```

Header.jsx

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

export default function Header() {
    return (
        <div style={{ textAlign: 'center' }}>
            <header style={{ backgroundColor: '#282c34', padding: '20px',
color: 'white' }}>
                <nav>
                    <ul style={{ listStyleType: 'none', padding: 0 }}>
                        <li style={{ display: 'inline', margin: '0 10px' }}>
                            <Link to="/home" style={{ color: 'white',
textDecoration: 'none' }}>Home</Link>
                        </li>
                        <li style={{ display: 'inline', margin: '0 10px' }}>
                            <Link to="/about" style={{ color: 'white',
textDecoration: 'none' }}>About</Link>
                        </li>
                        <li style={{ display: 'inline', margin: '0 10px' }}>
                            <Link to="/todo" style={{ color: 'white',
textDecoration: 'none' }}>Todo</Link>
                        </li>
                    </ul>
                </nav>
            </header>
        </div>
    )
}
```

Todo.jsx

```jsx
import { useState, useEffect } from "react"
import axios from 'axios';

export default function Todo() {
  const [todos, setTodos] = useState([])
  const [error, setError] = useState(null)
  const [loading, setLoading] = useState(true)

  useEffect(() => {
    axios.get('https://jsonplaceholder.typicode.com/posts')
      .then(response => {
        setTodos(response.data)
        console.log(response.data)
      })
      .catch(() => setError('Error fetching data'))
      .finally(() => setLoading(false))
  }, []);

  if (loading) {
    return <div>Loading...</div>
  }

  return (
    <div style={{ padding: '20px', fontFamily: 'Arial, sans-serif' }}>
      <h1 style={{ color: '#fff' }}>Todo List</h1>
      <ul style={{ listStyleType: 'none', padding: 0 }}>
        {todos.map(todo => (
          <li key={todo.id} style={{ padding: '10px', borderBottom: '1px
solid #ccc' }}>
            {todo.title}
          </li>
        ))}
      </ul>
      {error && <div style={{ color: 'red', marginTop: '10px'
}}>{error}</div>}
    </div>
  )
}
```
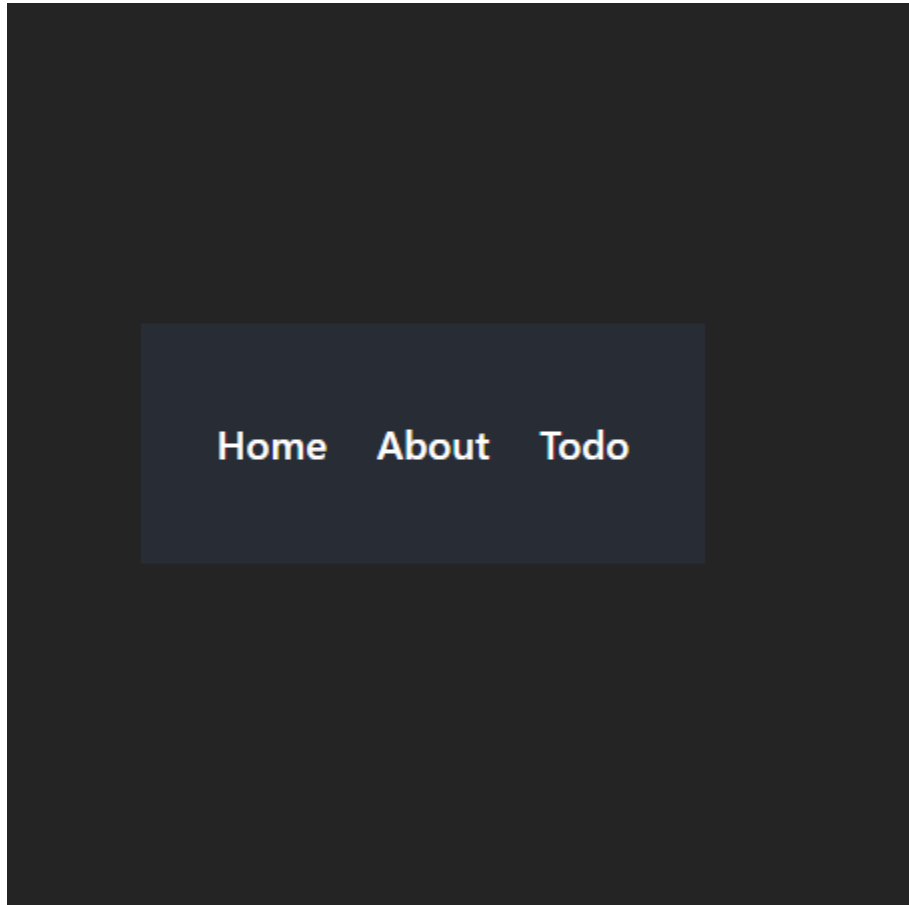
Todo List

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THANK YOU