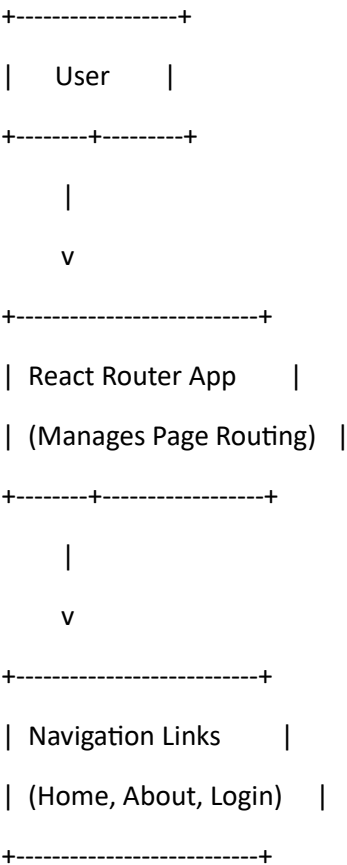# Level 0 DFD (Context Diagram)

At this level, we show the interaction between the **User** and the **React Router System**.
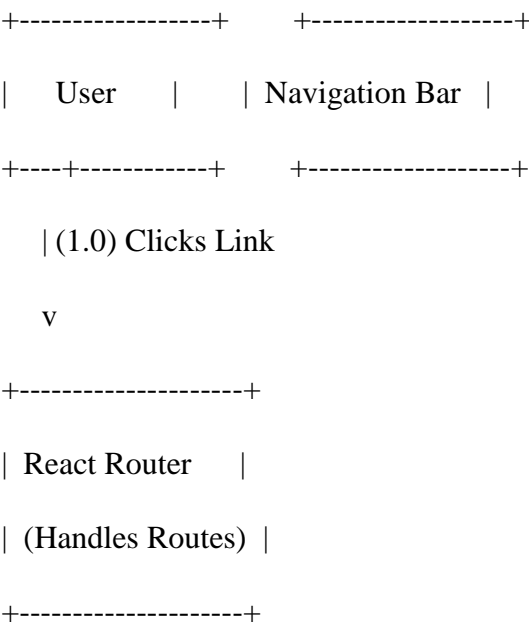
```
+-----------------+

|    User      |

+--------+---------+

      |

      v

+--------------------------+

|  React Router App      |

|  (Manages Page Routing)  |

+--------+-----------------+

      |

      v

+--------------------------+

|  Navigation Links      |

|  (Home, About, Login)    |

+--------------------------+
```

Explanation:

- **User** interacts with the **React Router App** by clicking navigation links.
- **React Router App** processes requests and renders the appropriate page.
- The app provides **three main pages**: **Home, About, and Login**.

Level 1 DFD (Detailed View)

Now, let's break down the navigation process.

```
+-----------------+      +------------------+

|    User      |     | Navigation Bar  |

+----+------------+      +------------------+

   | (1.0) Clicks Link

   v

+--------------------+

| React Router     |

| (Handles Routes)  |

+--------------------+
```

```
   |

   v

+-------------------------+

| Renders Respective Page |

| (Home, About, or Login) |

+-------------------------+
```

Key Features in the DFD

1. **User Interaction:**

- Clicks **Home, About, or Login** in the navigation bar.

2. **React Router Handling:**

- Routes user to the corresponding component.
- Dynamically loads **Home, About, or Login** page.

3. **Component Rendering:**

- **Home Page** → Displays a simple list.
- **About Page** → Shows app information.
- **Login Page** → Allows user authentication.