Level 0 DFD (Context Diagram)

This level shows the **user interacting with the system**.
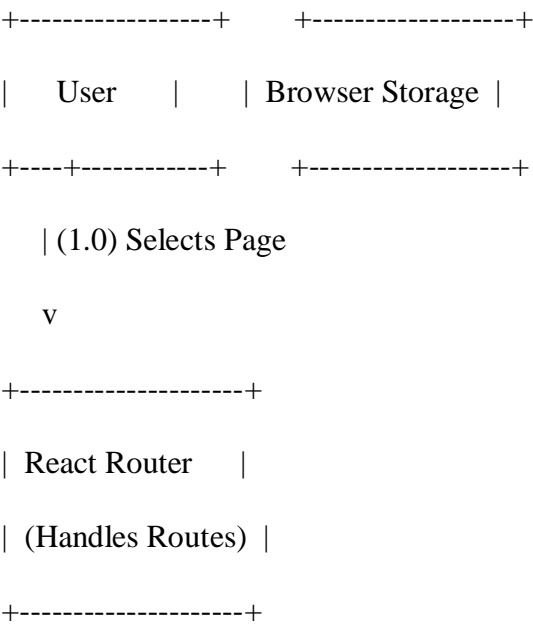
```
+-----------------+
|    User         |
+--------+--------+
         |
         v
+--------------------------+
|  React Theme App         |
|  (Manages Theme & Pages) |
+--------+-----------------+
         |
         v
+--------------------------+
|  Browser Local State     |
|  (Stores Theme Preference)|
+--------------------------+
```
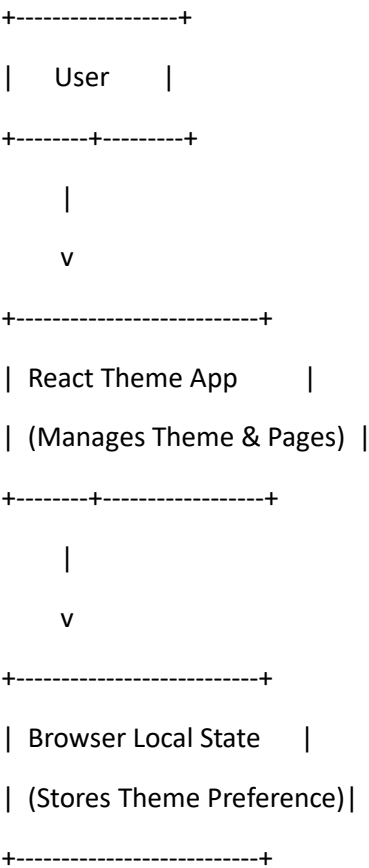
Explanation:

- **User** interacts with the system (Toggles Theme, Navigates Pages).
- **React App** processes input and manages themes using ThemeContext.
- **Browser Local State** stores the theme preference (Light/Dark Mode).

Level 1 DFD (Detailed View)

Now, let's break down key processes.

```
+-----------------+      +-------------------+
|    User         |      | Browser Storage   |
+----+------------+      +-------------------+
     | (1.0) Selects Page
     v
+--------------------+
|  React Router      |
|  (Handles Routes)  |
+--------------------+
```

```
      |
      v

+--------------------+
| Lazy Load Pages    |
| (About, Contact)   |
+--------------------+
        |
        v
+--------------------+
| Theme Toggle       |
| (Light / Dark)     |
+--------------------+
        |
        v
+--------------------------+
| Stores theme in localStorage |
+--------------------------+
```

Key Features:

1. **User Navigates the App**

   - React Router loads components (Home, About, Contact).

2. **Lazy Loading Components**

   - React.lazy() loads About.jsx and Contact.jsx only when needed.

3. **Theme Toggle**

   - ThemeContext manages Light/Dark Mode.
   - User **toggles theme**, and it updates localStorage.