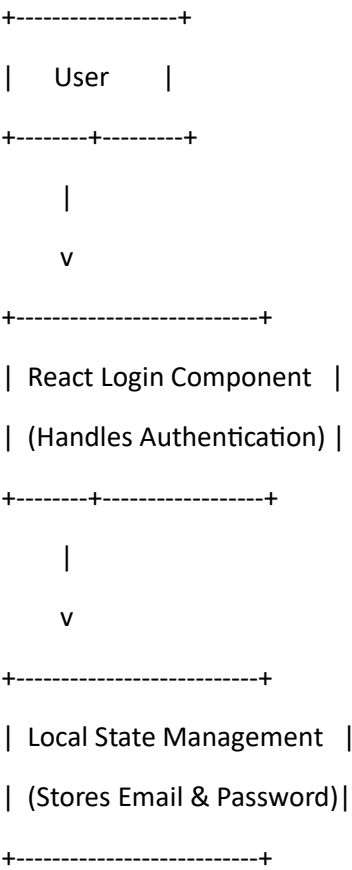


Level 0 DFD (Context Diagram)

At this level, we show the interaction between the **User** and the **Login System**.

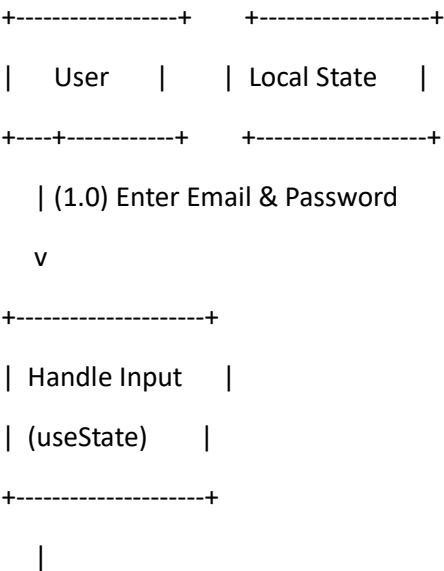


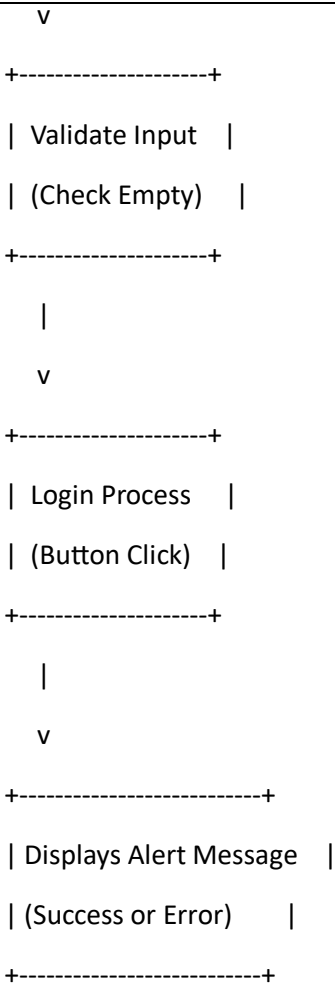
Explanation:

- **User** enters credentials (Email & Password).
- **React Login Component** processes input using `useState()`.
- **Local State** stores the email & password dynamically.
- **Login Validation** checks if fields are empty.
- If valid → Show "Logging in with Email: xyz@example.com". If invalid → Show **error alert**.

Level 1 DFD (Detailed View)

Breaking down each step of the **Login Process**.





Key Features in the DFD

1. User Interaction:

- User enters **Email & Password**.
- Clicks the **Login Button**.

2. State Management:

- `useState` dynamically updates values.

3. Input Validation:

- If **empty fields** → Show "Please fill in all fields." alert.

4. Login Process Execution:

- If **valid login**, show "Logging in with Email: xyz@example.com".