**MY REACT APP**

This **React counter application** uses **state management (useState)** to update and display a counter value whenever the button is clicked. Below is a **DFD (Data Flow Diagram)** representing how data flows in this project.

LEVEL 00 : Context Diagram

* **User**: Clicks the button to update the counter.
* **React App**: Manages state and updates UI dynamically.

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| User |

| (Clicks "Click me" button)|

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| React App |

| (Handles state & updates) |

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| Updates UI with Count |

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LEVEL 01 : Breaking the system

**User Interaction**

* User clicks the **"Click me"** button.

**State Update (useState)**

* incrementCount() function updates the count state.

**UI Re-renders**

* React re-renders the component with the updated count.

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| User |

| (Clicks "Click me" button)|

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| Button Click Event |

| (Triggers onClick event) |

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| Function: incrementCount |

| (Updates count state) |

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V

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| React useState Hook |

| (Stores and updates count)|

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| UI Re-renders |

| (Displays new count) |

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**Data Flow**

* **User Clicks Button** → Calls incrementCount().
* **setCount(count + 1) Updates State**.
* **React Re-renders** → UI updates to show new count.