**Controlled\_form**

**Level 0 (Context Diagram):**

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| External Entity: User |

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| Process: Form Handling |

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| Data Store: Component |

| State |

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**Explanation:**

* **External Entity (User):** The individual interacting with the form by entering data.
* **Process (Form Handling):** The system's mechanism for managing form inputs and updates.
* **Data Store (Component State):** The internal state within the React component that holds the form data.

**Level 1 DFD (Decomposition of Form Handling Process):**

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| External Entity: User |

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| Process: 1.1 - Input |

| Handling |

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| Data Store: Component |

| State |

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| Process: 1.2 - State |

| Update |

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| Process: 1.3 - UI |

| Rendering |

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**Explanation:**

* **Process 1.1 (Input Handling):** Captures user input events from form fields.
* **Data Store (Component State):** Stores the current values of the form inputs.
* **Process 1.2 (State Update):** Updates the component state based on user input.
* **Process 1.3 (UI Rendering):** Re-renders the UI to reflect the updated state, ensuring the form displays the current data.