**Project Description:**

The **Form System** allows users to input and submit details like name and email. Upon submission, the system stores the data and displays a confirmation message.

### **Level 0 (Context Diagram)**

At the highest level, we have just one process, which represents the system as a whole.

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| External Entities |

| - User |

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| Form System |

| (Process: 1.0) |

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| Data Store |

| (Submitted Data) |

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**Explanation**:

* **External Entity (User):** The user interacts with the form system by entering details.
* **Process (Form System):** The system processes the user's form submission.
* **Data Store (Submitted Data):** Stores submitted form data (Name and Email).

### **Level 1 DFD (Decomposition of Process)**

Now, let's break down the **Form System** process (Process 1.0) into more detailed steps.

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| External Entity | | Data Store |

| (User) | | (Submitted Data) |

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| Process: 1.1 - Input | | Process: 1.2 - - Store Data |

| Form Details | | (Name & Email) |

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| Process: 1.3 - Submit |

| Form |

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| Process: 1.4 – Display |

| Confirmation Message |

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**Explanation**:

* **Process 1.1 (Input Form Details):** User enters name and email in the form fields.
* **Process 1.2 (Store Data):** The system stores the submitted name and email.
* **Process 1.3 (Submit Form):** User clicks the submit button to send data.
* **Process 1.4 (Display Confirmation Message):** System displays submitted data along with a confirmation message.

### **Data Flow**

* The user enters their name and email.
* The system captures and stores the input data.
* The user submits the form.
* The system confirms submission and displays entered details.

### **Additional Notes:**

* The system processes and stores submitted user data.
* Future enhancements could include form validation, data persistence in a database, and integration with backend APIs.
* Security improvements like input sanitization and email verification could be added.