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

At the highest level, the system involves:

* **External Entity (User)**: The user enters their name.
* **Process (Greeting System)**: The system processes the input and generates a greeting.
* **Data Flow**:
  + User inputs their name.
  + The system processes the name and generates a greeting message.

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| External Entity |

| (User) |

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|

v

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| Process: Greeting |

| Generator |

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v

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| Output: Greeting |

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

This breaks the greeting process into finer steps:

1. **Process 1.1 (User Input Handling)**:  
   * User enters their name in the text input field.
   * The system captures the input.
2. **Process 1.2 (Form Submission)**:  
   * The user submits the form.
   * The system prevents default form submission behavior.
3. **Process 1.3 (Greeting Generation)**:  
   * The system constructs the greeting message based on user input.
   * The system displays the greeting.

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| External Entity | | External Entity |

| (User) | | (Greeting System) |

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| |

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| Process: 1.1 User | | Process: 1.2 Form |

| Input Handling | | Submission |

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| Process: 1.3 Greeting| | Output: Greeting |

| Generation | | (Displayed on screen) |

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This DFD helps visualize how user input flows through the system, gets processed, and displays the final greeting.