### **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 |

+-------------------------+

|

|

v

+------------------------+

| Add new task |

| (Process: 1.0) |

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|

|

v

+-------------------+

| Task List |

| (Process 2.0) |

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**Explanation**:

* **External Entity (User)**: The User interacts with the System.
* **Process (Add a Task)**: User adds a task
* **Task List** : The system displays the task added by user

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

Now let’s Breakdown the process.

+-------------------------+

| External Entities |

| |

| - User |

+-------------------------+

|

|

v

+------------------------+

| Add new task |

| (Process: 1.0) |

+------------------------+

|

|

v

+-------------------+

| Task List |

| (Process 2.0) |

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**Explanation**:

1. **External Entity (User)**: The User interacts with the System.
2. **Process (Add a Task)**: User adds a task
3. **Task List** : The system displays the task added by user
4. **Remove task** : The user can delete an added task

### **Data Flow**

* The **User** Inputs data inthe task input field.
* Data is processed to add/delete tasks.
* The task list is updated and displayed to the user.

### **Additional Notes:**

* You can expand this further by adding more layers of detail or breaking down the individual processes into sub-processes, depending on the complexity of the system you're designing.
* Data stores and external entities can be further elaborated based on the needs of your system.

This simple example should give you a basic framework. You can adapt this for more complex applications depending on your requirements!