### **Data Flow Diagram (DFD) for Agile Tracking System**

Here’s a **Level 0 (Context Diagram) and Level 1 (Detailed Breakdown)** for the **Agile Tracking System**.

### **Level 0: Context Diagram**

**Overview:** The **Agile Tracking System** enables **users and admins** to interact with the system to **manage scrum teams, assign tasks, track progress, and update statuses**. The system processes user requests and interacts with a **database** for storing team and task data.

**Entities & Processes:**

* **User (Employee/Admin):** Logs in, views tasks, and updates statuses.
* **Agile Tracking System (Process 1.0):** Handles user authentication, scrum team management, and task tracking.
* **Database (Data Store):** Stores users, scrum teams, and task details.

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| User (Employee/Admin) |

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| Agile Tracking System |

| (Process: 1.0) |

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| Database (User, Teams, Tasks) |

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### **Level 1: Detailed Breakdown**

**Processes Breakdown:**

1. **Process 1.1 - User Authentication:**
   * Users (Employees & Admins) log in using their credentials.
   * System verifies login details from the database.
2. **Process 1.2 - Scrum Team Management:**
   * Admins can create, update, and manage scrum teams.
   * Employees can view assigned teams.
3. **Process 1.3 - Task Management:**
   * Admins assign tasks to employees.
   * Employees update task statuses (To Do, In Progress, Done).
4. **Process 1.4 - Task Tracking & Reporting:**
   * System stores task history and updates.
   * Users can view task progress.

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| User (Employee/Admin) |

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| Process 1.1 - User Authentication |

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| Process 1.2 - Scrum Team Management |

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| Process 1.3 - Task Management |

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| Process 1.4 - Task Tracking & Reporting |

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| Database (Users, Teams, Tasks) |

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### **Data Flow:**

1. **User logs in** → System verifies credentials **(Process 1.1)**
2. **Admin manages scrum teams** → Data stored in the database **(Process 1.2)**
3. **Tasks are assigned & updated** → Task status updated in the database **(Process 1.3)**
4. **Users track progress** → System retrieves task history **(Process 1.4)**