Agile-Track-System

Data-Flow-Diagram

Level 0 (Context Diagram)

At the highest level, the **Agile Track System** interacts with different external entities:

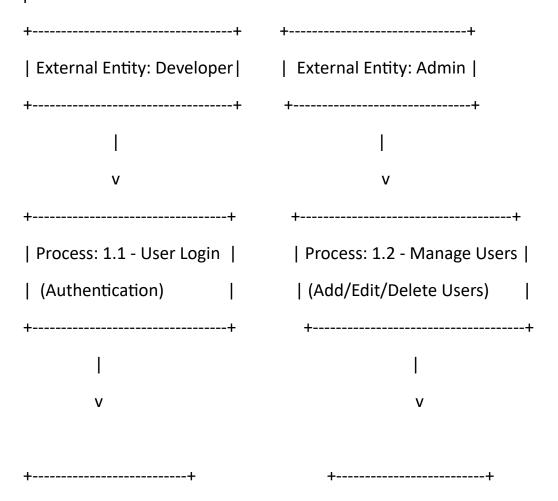
+-	+	
	External Entities	
	- Developer	
	- Admin	
+-	+	
	1	
	V	
+-	+	
	Agile Track System	
	(Process: 1.0)	
+-	+	
	I	
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+-		-+
	Data Stores:	١
	- User Database	I
	- Task Database	
	- Scrum Team Database	
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Explanation (Level 0)

- External Entities: Developers, Scrum Masters, Product Owners, and Admins interact with the system.
- **Agile Track System (Process 1.0)**: The main system processes requests related to task management, scrum tracking, and notifications.
- Data Stores: Information is stored in multiple databases (Users, Tasks, Scrum Teams, and Notifications).

Level 1 (Decomposed Processes)

Now, let's break down the **Agile Track System (Process 1.0)** into multiple subprocesses.



Data Store: User DB	Data Store: User D
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1	
V	
+	+
Process: 1.3 - Task Management	1
- Assign Tasks	I
- Update Task Status	I
- View Task History	1
+	+
I	
v	
++	
Data Store: Task DB	
++	
1	
V	
+	+
Process: 1.4 - Scrum Team & Sprin	t Management
- Create Scrum Teams	1
- Assign Developers to Sprints	I
- Track Sprint Progress	1

	V	
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	Data Store: Scrum DB	

Explanation (Level 1)

- 1. **User Login (1.1):** Developers, Admins, and Scrum Masters authenticate via the **User DB**.
- 2. Manage Users (1.2): Admins can add, edit, or delete users.
- 3. **Task Management (1.3):** Developers update tasks, assign tasks, and track history.
- 4. **Scrum Team & Sprint Management (1.4):** Scrum Masters create teams, assign tasks, and monitor sprint progress.