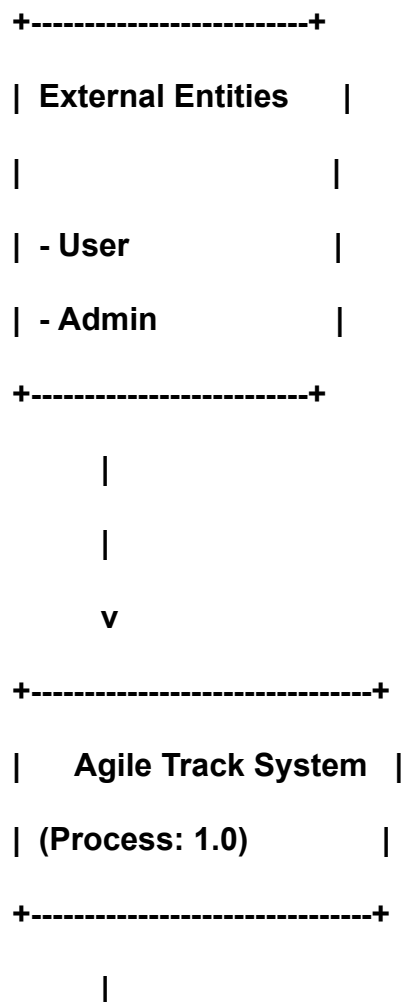


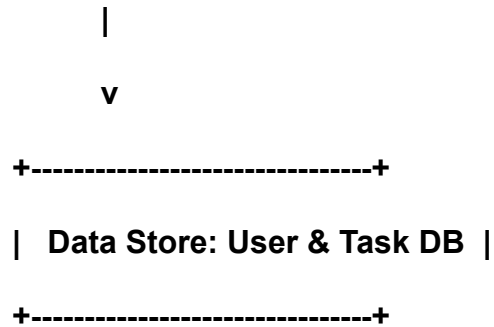
# Data Flow Diagram (DFD) for Agile Track System

The "Agile Track System" is a Single Page Application (SPA) designed to streamline task management and team collaboration within agile frameworks. This platform allows users and administrators to log in, view tasks assigned to users, and track progress across various scrum teams.

## Level 0 (Context Diagram)

At the highest level, we represent the Agile Track System as a single process interacting with external entities.



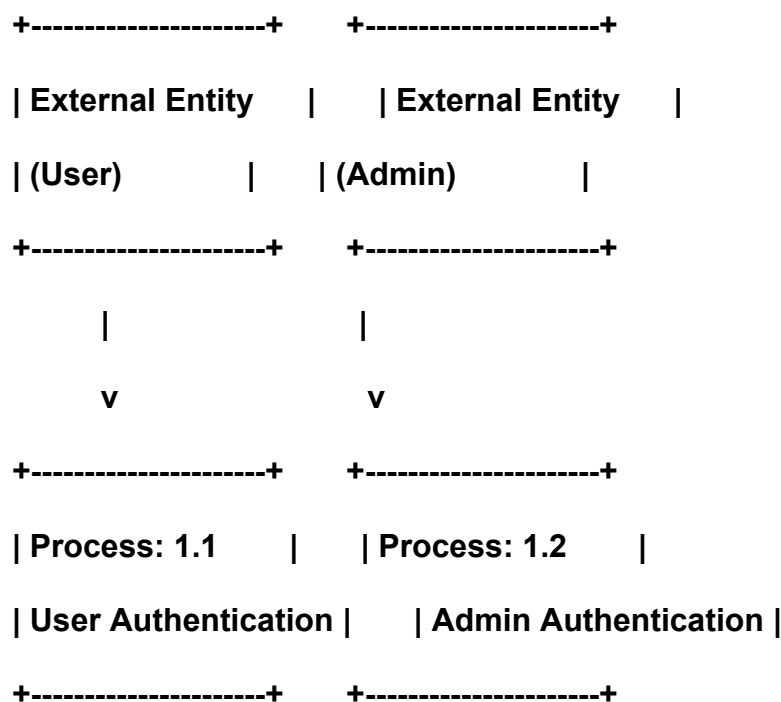


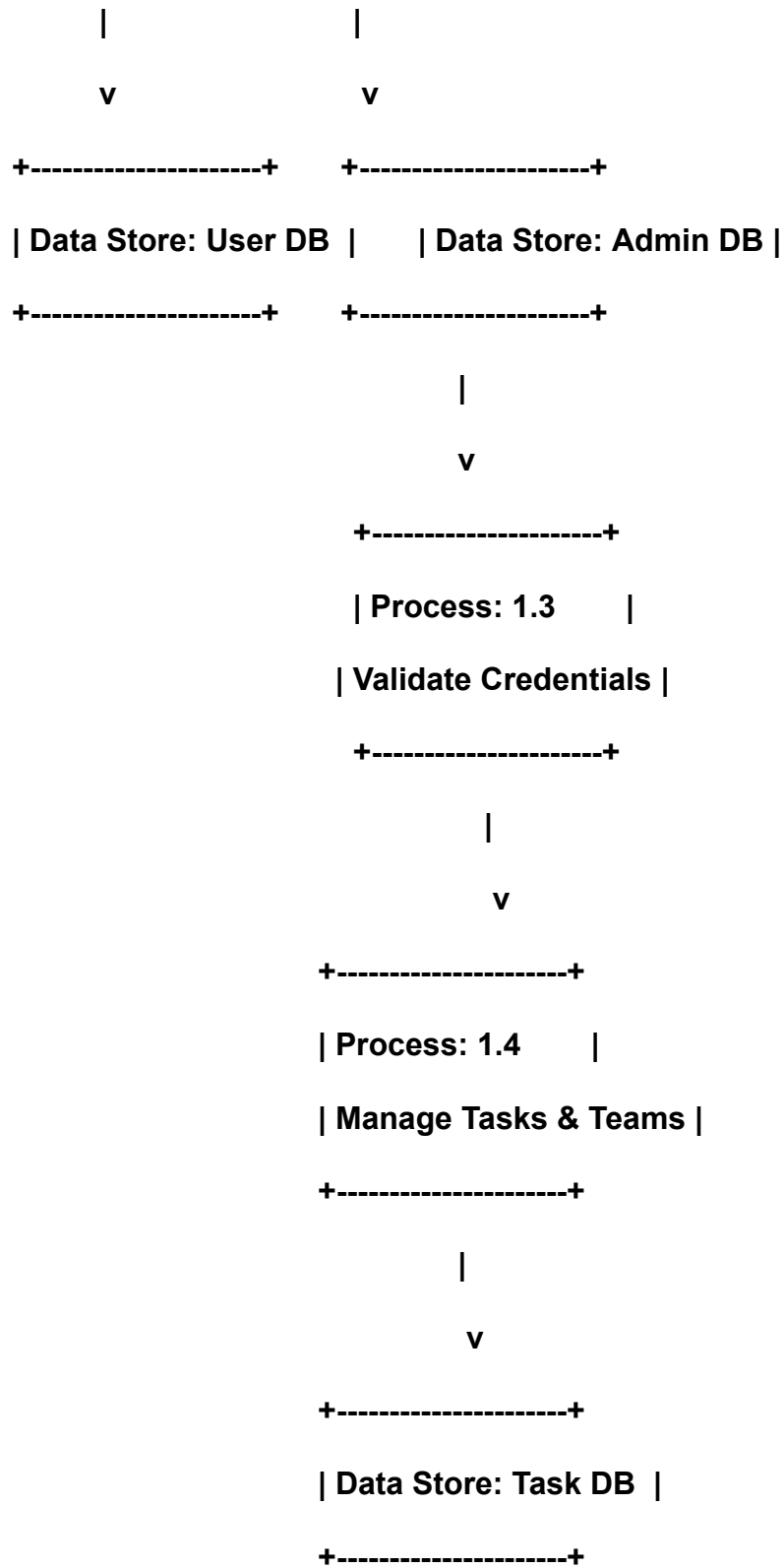
### Explanation:

- External Entities (User, Admin): Users and Admins interact with the Agile Track System.
- Process (Agile Track System 1.0): The system processes login, task management, and team collaboration.
- Data Store (User & Task DB): Stores user profiles, teams, tasks, and statuses.

### Level 1 DFD (Decomposition of Process 1.0)

Now, let's break down the Agile Track System into smaller processes.





## **Explanation:**

1. Process 1.1 (User Authentication): Users log in with credentials, validated against the User DB.
2. Process 1.2 (Admin Authentication): Admins log in using credentials stored in Admin DB.
3. Process 1.3 (Validate Credentials): The system verifies credentials before granting access.
4. Process 1.4 (Manage Tasks & Teams):
  - Users/Admins create, update, and manage tasks.
  - Admins assign users to tasks.
  - Status updates are stored in the Task DB.

## **Data Flow:**

- Users/Admins input login credentials.
- The system validates credentials against the database.
- Authenticated users can view and manage tasks.
- Task updates are saved in the Task DB.
- Admins assign tasks and update user roles.