Requirement Analysis
Data Flow Diagram & User Stories

Date	20 June 2025
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Project Name	Workforce administration solution (dev)

Data Flow Diagram:

A Data Flow Diagram (DFD) visually represents how data flows through your workforce management system, what processes handle it, and how it's stored. This example shows how employee data, attendance, and leave requests are processed.

➢ **Entities:**

Employee

HR Manager

Admin

➢ **Processes:**

1. Submit Leave Request

2. Manage Employee Profile

3. Approve Leave

4. Generate Reports

➢ **Data Stores:**

    Employee Database

    Leave Records

    Attendance Logs
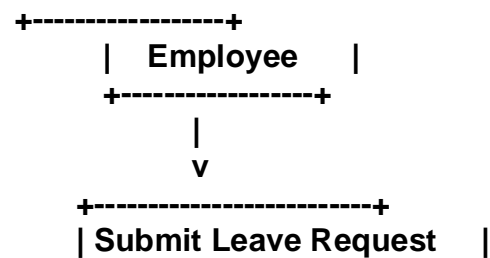
➢ **Flows:**

    Employee submits leave to HR

    HR reviews and approves/denies

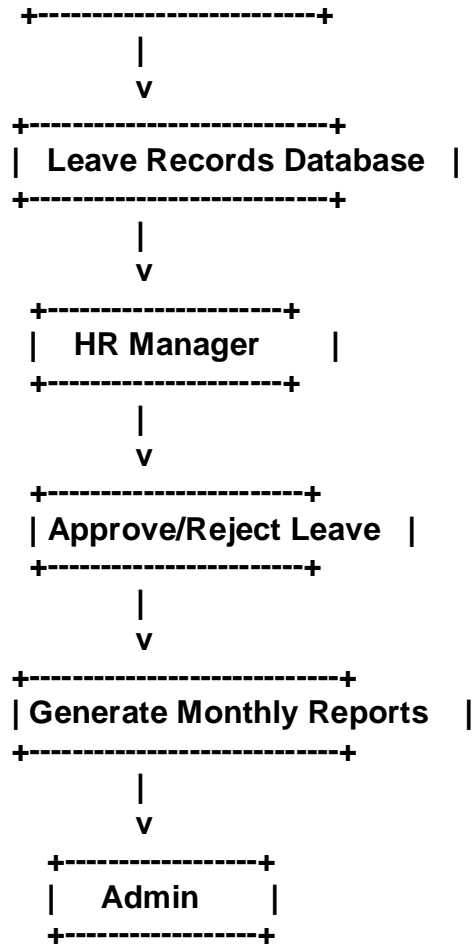   Leave record is updated

    Reports are generated for Admin

■ **Example:-**

FlowChart:

```
+------------------+
    |   Employee     |
    +------------------+
           |
           v
+--------------------------+
| Submit Leave Request     |
```

```
    +--------------------------+
               |
               v
    +--------------------------+
    |   Leave Records Database   |
    +--------------------------+
               |
               v
     +----------------------+
     |    HR Manager       |
     +----------------------+
               |
               v
    +------------------------+
    | Approve/Reject Leave   |
    +------------------------+
               |
               v
   +------------------------------+
   | Generate Monthly Reports     |
   +------------------------------+
               |
               v
      +------------------+
      |    Admin         |
      +------------------+
```

- **User Stories**

User Type	Feature	Story ID	User Story	Acceptance Criteria	Priority	Release
Employee	Registration	USN-1	As an employee, I can register into the portal with email and password	Registration successful and redirected to home	High	Sprint-1
Employee	Leave Management	USN-2	As an employee, I can apply for leave through the portal	Leave request appears in HR queue	High	Sprint-2
HR Manager	Leave Approval	USN-3	As an HR, I can approve or reject leave requests	Status changes in leave database	High	Sprint-2
HR Manager	Attendance Review	USN-4	As an HR, I can view and correct employee attendance logs	Can access/edit logs	Medium	Sprint-3
Admin	Reports Dashboard	USN-5	As an admin, I can view reports of leave, attendance, and employees	Visual dashboards with export option	Medium	Sprint-4
Employee	Profile Update	USN-6	As an employee, I can update personal details in my profile	Changes are saved and reflected	Low	Sprint-3