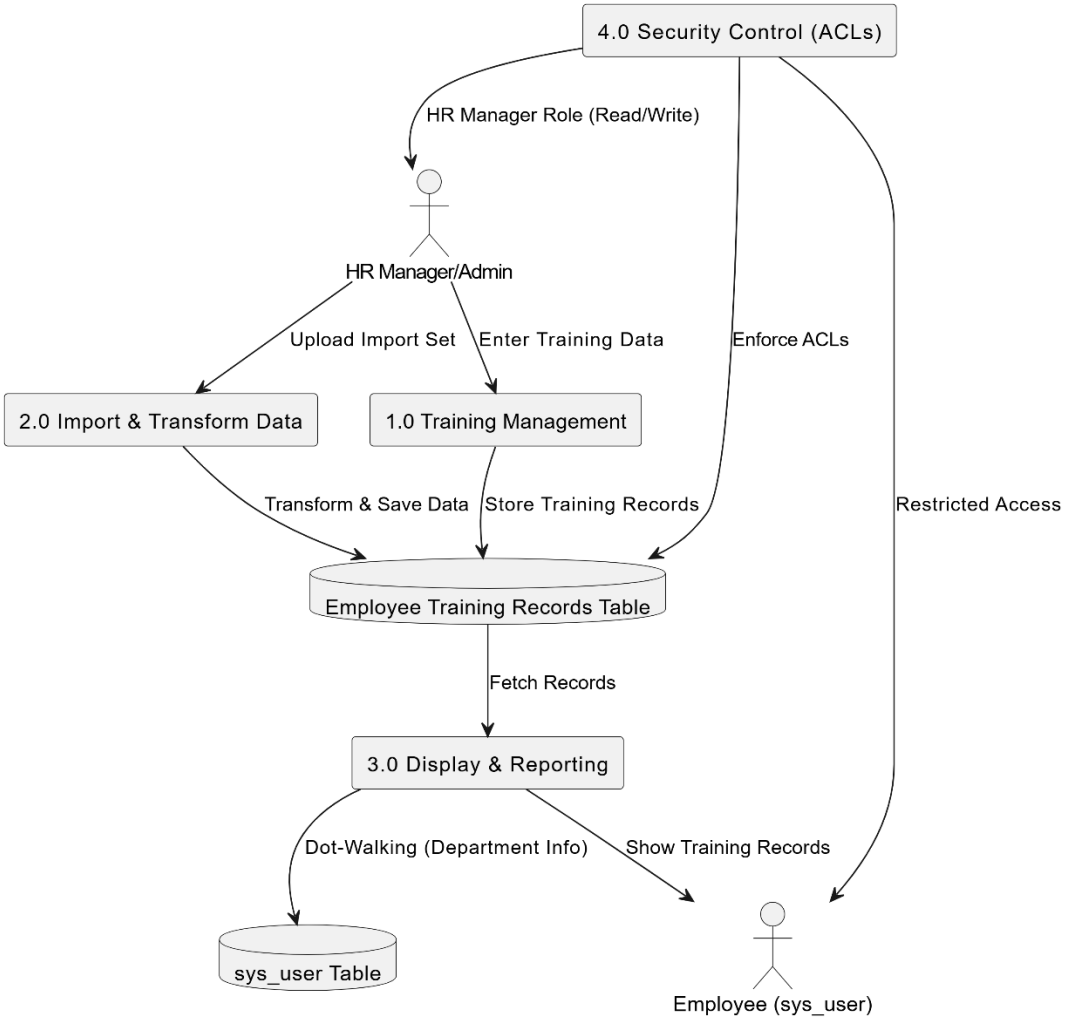
Project Design Phase–II
Data Flow Diagram & User Stories

Date	**15 February 2026**
Team ID	LTVIP2026TMIDS78015
Project Name	Importing & Securing Data in ServiceNow
Maximum Marks	4 Marks

Data Flow Diagrams



A **Data Flow Diagram (DFD)** represents how employee training information moves within the ServiceNow system. It visually explains how training data is imported, processed, stored, and accessed securely by authorized users.
The diagram illustrates:

- Data entry through Import Sets
- Data transformation using Transform Maps
- Storage in Employee Training table
- Retrieval of employee details through reference fields
- Secure access enforced using roles and ACLs

Data Flow Diagram (DFD) – Importing & Securing Data in ServiceNow
External Entity

- HR Manager / Administrator

Processes

- Training Data Upload
- Data Transformation
- Employee Linking
- Access Control Validation
- Training Record Management

Data Stores

- Employee Training Table
- sys_user Table
- Role & ACL Configuration

Output

- Secure Employee Training Records with Department Information

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User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Developer	Project Setup	USN-1	Set up ServiceNow developer instance and environment.	Instance is active and accessible with admin privileges.	High	Sprint-1
Developer	Application Setup	USN-2	Create scoped application in ServiceNow Studio.	Application scope created successfully.	High	Sprint-1
Developer	Table Design	USN-3	Create Employee Training table.	Table created with required structure.	High	Sprint-1
Developer	Field Configuration	USN-4	Add Training Name, Completion Date, and Status fields.	Fields visible in table form.	High	Sprint-1
Developer	Reference Configuration	USN-5	Configure Employee reference field to sys_user table.	Employee records linked successfully.	High	Sprint-1
Administrator	Data Import	USN-6	Upload training data using Import Sets.	Data uploaded without errors.	High	Sprint-2
Administrator	Data Transformation	USN-7	Create Transform Map	Fields mapped correctly.	High	Sprint-2

			for data mapping.			
Developer	Data Processing	USN-8	Execute transform process.	Records inserted into Employee Training table.	High	Sprint-2
Administrator	Data Validation	USN-9	Verify imported employee training records.	Data accuracy confirmed.	High	Sprint-2
Developer	Dot-Walking	USN-10	Display employee department using dot-walking.	Department visible in list view.	High	Sprint-2
Administrator	Role Management	USN-11	Create HR Manager role.	Role available for assignment.	Medium	Sprint-3
Administrator	Security Setup	USN-12	Create Read ACL for Employee Training table.	Authorized users can view records.	High	Sprint-3
Administrator	Security Setup	USN-13	Create Write ACL for Employee Training table.	Authorized users can edit records.	High	Sprint-3
HR Manager	Access Control	USN-14	Assign HR Manager role to users.	Users gain correct permissions.	Medium	Sprint-3
HR Manager	Testing	USN-15	Perform impersonation testing.	Unauthorized users cannot access table.	Medium	Sprint-3
HR Manager	Record Management	USN-16	View employee training records.	Training data displayed correctly.	Low	Sprint-3
HR Manager	Record Update	USN-17	Update training completion status.	Changes saved successfully.	Low	Sprint-3
Organization	Reporting	USN-18	Generate department-wise training reports.	Reports display accurate training data.	Medium	Sprint-3