Project Design Phase-II Data Flow Diagram & User Stories

Date	02 November 2025
Team ID	**NM2025TMID02364**
Project Name	**To Supply Leftover Food to Poor**
Maximum Marks	4 Marks

Data Flow Diagrams:

Context Overview:

A Data Flow Diagram (DFD) visually represents how data moves through the *User Deletion Validation System* in ServiceNow.
 It highlights the actors, processes, data stores, and data flows that ensure users are not deleted if they are still linked to any active incidents.

This DFD ensures data integrity, process transparency, and secure automation of the deletion validation process.

Data Stores:

Data Store	Description	Technology

Incident Table	Stores all ongoing incidents assigned to users.	ServiceNow Incident Table
Assignment Table	Tracks user-task or ticket relationships.	Custom ServiceNow Table
CMDB (sys_user)	Stores all user records.	ServiceNow CMDB
System Logs / Audit Table	Stores deletion attempts and outcomes.	ServiceNow System Logs
HRMS API (Optional)	Verifies user's employment status.	External REST API
prevents deletion	HRMS verification	recorded in logs.

User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Sprint
Administrator	User Manag	USN-1	The should	High	Sprint-1	

			allow deletion only if the user is not assigned to any active incident.			
System (Auto-check)	Validation Before Deletion	USN-2	As a system, I must check if the user is linked to any incident before processing a delete request.	The system must automatically validate incident/assignment tables before executing deletion.	High	Sprint-1
Incident	Alert Notific	USN-3	As an inciden	The system	Medium	Sprint-2

Manager	ation		t manager, I want to receive an alert if a user with active incidents is requested for deletion.	should display a warning or send an alert when linked users are being deleted.		