Requirement Analysis
Data Flow Diagram & User Stories

Date	03 November 2025
Team ID	NM2025TMID06747
Project Name	Educational Organisation Using ServiceNow
Maximum Marks	4 Marks

🔁 Data Flow Diagram (DFD) - Level 1

Entities:

- Admin – manages setup, data entry, and evaluation

- Student – subject of data entry and academic progress

- System Database – stores and processes all relevant data

Processes:

1. Student Admission – capturing student personal and admission data

2. Student Progress Entry – entering marks and academic progress

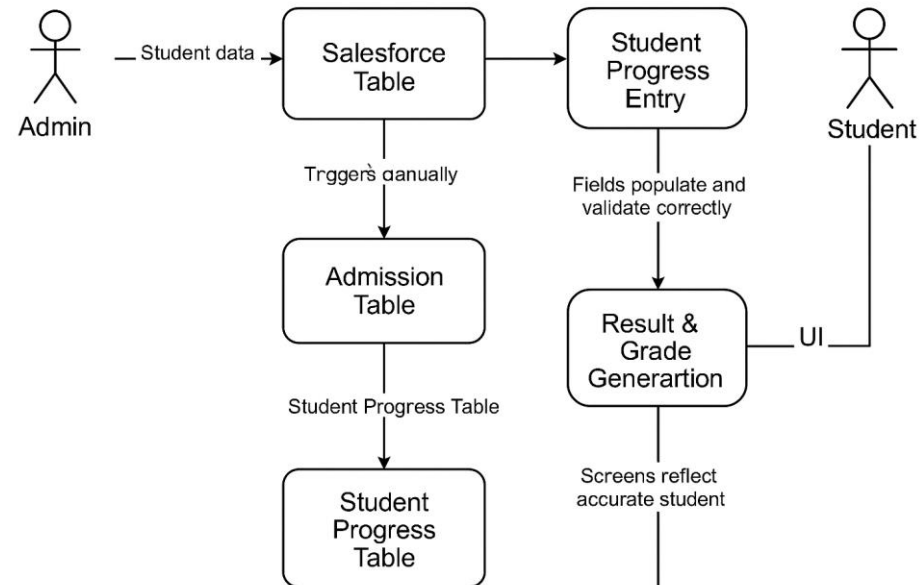3. Result & Grade Generation – calculating totals, percentages, and results

Data Stores:

- D1: Salesforce Table – student personal information

- D2: Admission Table – admission-related data like status

- D3: Student Progress Table – marks, progress, results

Data Flow Summary:

- Admin inputs student details → stored in Salesforce Table

- Admission status tracked → in Admission Table

- Marks entered manually → stored in Student Progress Table

- Scripts calculate total, percentage, and result

- Data displayed in the user interface for admin verification

User Stories

Use the below template to list all the user stories for the product.

S.No	User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
1	Admin	Instance Setup	USN-1	As an admin, I can request and configure a ServiceNow developer instance	Instance is accessible and active	High	Sprint-1
2	Admin	Table Creation	USN-2	As an admin, I can create Salesforce and Admission tables with appropriate fields and choices	Tables are created with correct schema	High	Sprint-1
3	Admin	UI Configuration	USN-3	As an admin, I can design form layouts for student data input	Forms are user-friendly and functional	Medium	Sprint-1
4	Admin	Automation Scripts	USN-4	As an admin, I can configure client scripts to auto-fill and validate fields	Fields populate and validate correctly	High	Sprint-2
5	Admin	Admission Process	USN-5	As an admin, I can define admission status process flow	Admission moves through all status stages	Medium	Sprint-2
6	Admin	Progress Evaluation	USN-6	As a teacher/admin, I can enter marks and calculate result using scripts	Total, percentage, and result auto-generate	High	Sprint-3
7	Admin	Output View	USN-7	As an admin, I can view and verify the student's admission and performance data	Screens reflect accurate student progress	Medium	Sprint-3
8	Admin	Testing	USN-8	As a tester, I can verify all functionalities from input to result generation	All modules pass functional checks	High	Sprint-3