Project Design Phase-II

Data Flow Diagram & User Stories

Date	7 NOVEMBER 2025
Team ID	NM2025TMID09139
Project Name	Educational Organisation Using ServiceNow
Maximum Marks	4 Marks

Data Flow Diagrams

A Data Flow Diagram (DFD) visually represents how information moves through the system. In the project **"Educational Organization Using ServiceNow"**, the DFD illustrates how data is created, processed, and stored within the platform.

The **Admin** enters student details into the **Student Table**, which automatically updates the **Admission Table** and **Student Progress Table**. The system then processes this information for **Student Progress Entry**, **Result**, and **Grade Generation**, ensuring accurate and real-time updates. Finally, the information is displayed on the **Student Interface**, providing a seamless view of academic progress.

This automated flow reduces manual work, ensures data accuracy, and improves efficiency in managing student and academic records within ServiceNow.
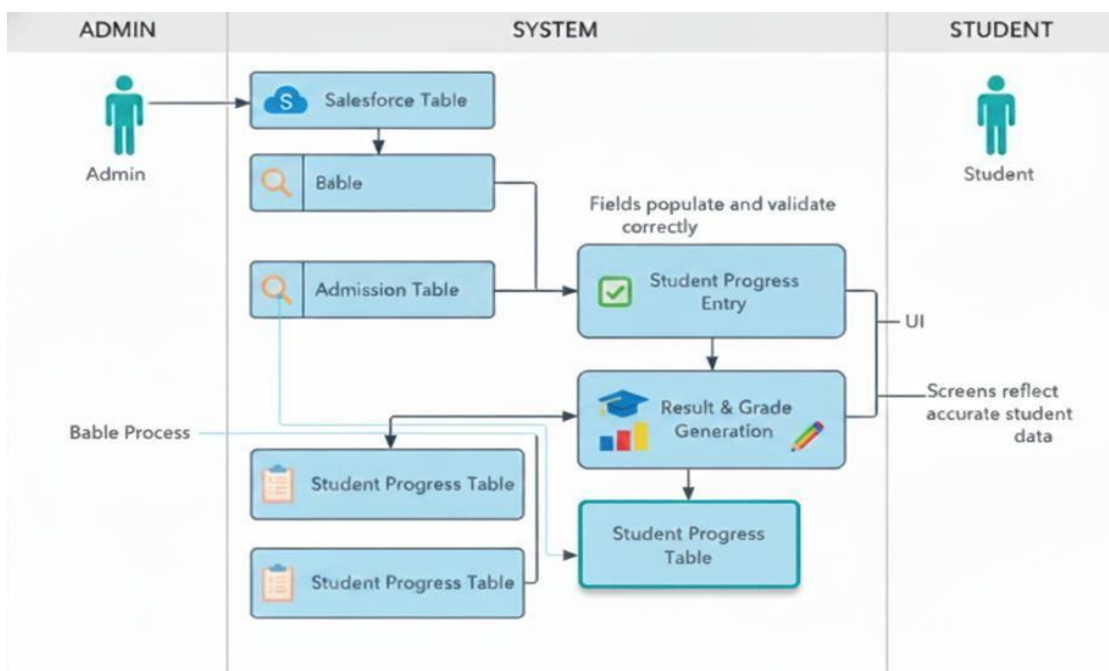

Figure 1. Data Flow Representation of Educational Organization System

User Stories

User stories describe what each user needs from the system.
In this project, they outline how the Educational Organization System in ServiceNow manages data, automates processes, and ensures accurate student progress tracking.

User Type	Functional Requirement	User Story No.	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Table Management	USN-1	As an admin, I can create and manage *Student*, *Admission*, and *Progress* tables.	Tables are created with correct fields and links.	High	Sprint-1
System	Data Flow Automation	USN-2	As a system, I auto-update related tables when student data is entered.	Data flows correctly without errors.	High	Sprint-1
Teacher	Progress Entry	USN-3	As a teacher, I can enter marks and grades for students.	Marks update correctly in reports.	Medium	Sprint-2
System	Result Generation	USN-4	As a system, I calculate totals and generate grades.	Grades are accurate and visible on UI.	High	Sprint-2
Student	View Results	USN-5	As a student, I can view my progress and grades.	Dashboard shows accurate performance.	Medium	Sprint-3