**Edututor ai- Data Flow & User Stories**

**Date: 30 AUG 2025  
Team ID:** **NM2025TMID08930**

**Project Name: Edututor ai**

**Data Flow Diagram (Level 0)**

**Flow:**

Student/Educator → [Login & LMS Sync] → [AI Processing via Watsonx/Granite] → [Quiz/Insight Generation] → [Dashboard/Feedback Delivery] → Student/Educator

**Processes:**

* Users authenticate via Google Classroom
* Granite/Watsonx models generate or evaluate quizzes dynamically
* Student quiz attempts are analyzed and stored
* Educators receive performance insights through the dashboard

**🧑‍💻 User Stories**

| **User Type** | **Feature (Epic)** | **USN** | **User Story** | **Acceptance Criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Student | Personalized Learning | USN-101 | As a student, I can receive quizzes based on my classroom topics | Quizzes aligned to current subjects appear on login | High | Sprint-1 |
| Student | Adaptive Testing | USN-102 | As a student, I get quiz difficulty adjusted based on past performance | Quiz complexity adapts after diagnostic test | High | Sprint-1 |
| Educator | Performance Insights | USN-103 | As a teacher, I can view quiz scores and topic trends for all students | Dashboard shows scores, last topics, and attempt history | High | Sprint-2 |
| Educator | Classroom Integration | USN-104 | As a teacher, I can sync my Google Classroom and assign AI-generated quizzes | Courses auto-imported and quizzes pre-filled by topic | Medium | Sprint-2 |
| System | Analytics & Feedback | USN-105 | As the system, I log quiz responses and provide real-time feedback | Responses stored, feedback generated instantly | Medium | Sprint-2 |