Edututor ai- Data Flow & User Stories

Date: 26 June 2025
Team ID: LTVIP2025TMID34185

Project Name: Edututor ai
Maximum Marks: 4 Marks

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

User Type	Feature (Epic)	USN	User Story	Acceptance Criteria	Priority	Release
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