**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID30306 |
| Project Name | EduTutor AI: Personalized Learning with Generative AI and LMS Integration |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



Example: DFD Level 0 (Industry Standard)

**Example:** [**(Simplified)**](https://developer.ibm.com/patterns/visualize-unstructured-text/)

Diagram

Description automatically generated

**Diagram, timeline

Description automatically generated**

**User Stories**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance Criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| **Student (Mobile/Web)** | **Registration** | **USN-1** | **As a student, I can register using email and password** | **I can create an account and view dashboard** | **High** | **Sprint-1** |
| **Student** | **Email Confirmation** | **USN-2** | **As a student, I get a confirmation email after registration** | **I receive and verify via confirmation email** | **High** | **Sprint-1** |
| **Student** | **Google/Gmail Login** | **USN-3** | **As a student, I can log in using my Google account** | **I can access the dashboard via Google login** | **Medium** | **Sprint-2** |
| **Student** | **AI Tutor Chat** | **USN-4** | **As a student, I can ask questions to the EduTutor AI assistant** | **AI responds with educational help in natural language** | **High** | **Sprint-2** |
| **Student** | **Personalized Quiz** | **USN-5** | **As a student, I get quiz suggestions based on my past performance** | **Quiz topics match my weak areas** | **High** | **Sprint-3** |
| **Student** | **LMS Access** | **USN-6** | **As a student, I can access learning materials from the LMS** | **I can open, read, and complete lessons** | **High** | **Sprint-2** |
| **Student** | **Feedback System** | **USN-7** | **As a student, I receive feedback after completing a quiz** | **I can view suggestions and scores after quiz** | **Medium** | **Sprint-3** |
| **Admin** | **User Management** | **USN-8** | **As an admin, I can manage registered student accounts** | **I can view, delete, and reset user accounts** | **Medium** | **Sprint-4** |