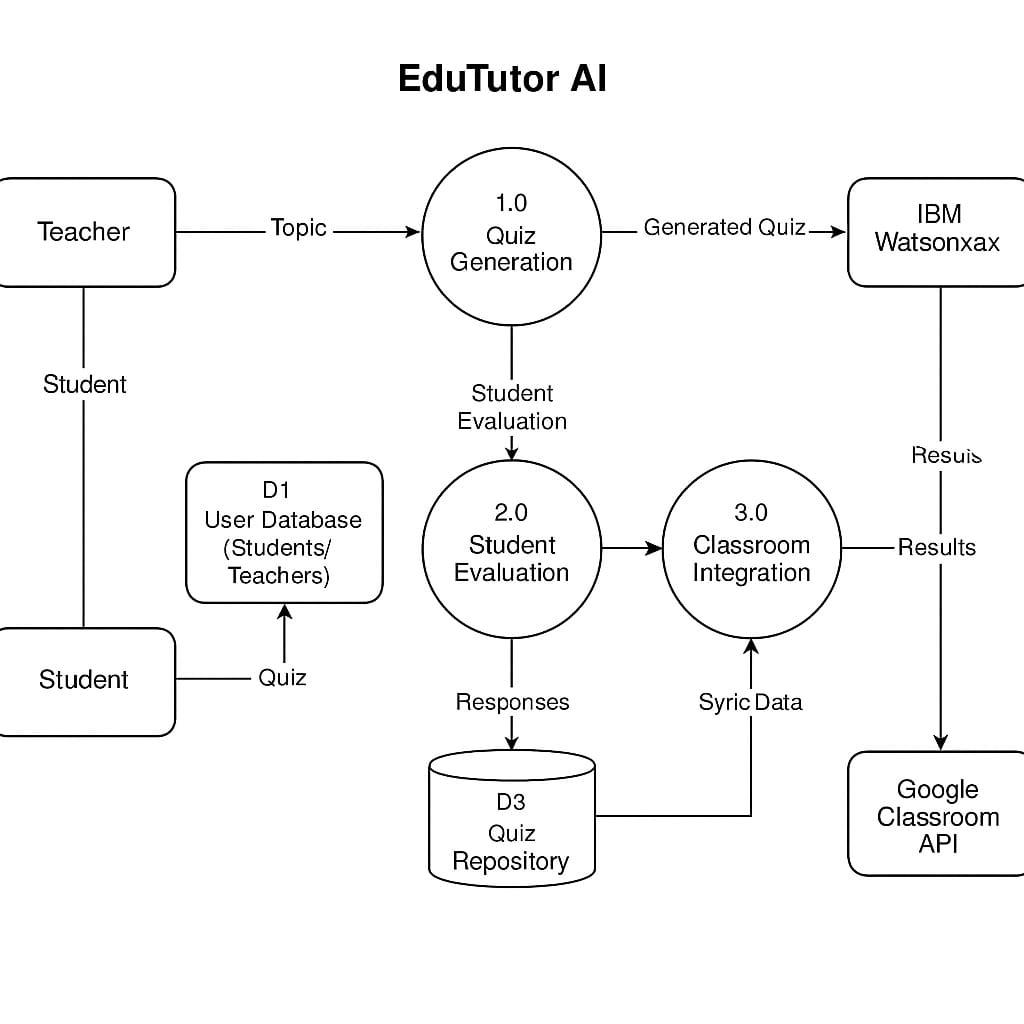
**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| --- | --- |
| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID20458 |
| Project Name | EduTutor AI |
| 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.



**Data Flow:**

1. User → Flask App: Authentication via Google OAuth  
2. Flask App → Google API: Fetch Classroom data  
3. User → Flask App: Submit quiz request  
4. Flask App → Watsonx API: Generate quiz  
5. Watsonx API → Flask App: Return quiz content  
6. Flask App → User: Display quiz  
7. User → Flask App: Submit answers  
8. Flask App → Pinecone: Store responses (future)

**User Stories**

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

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Student | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| Student |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
| Student |  | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
| Student |  | USN-4 | As a user, I can register for the application through Gmail |  | Medium | Sprint-1 |
| Student | Login | USN-5 | As a user, I can log into the application by entering email & password |  | High | Sprint-1 |
|  | Dashboard |  |  |  |  |  |
| Student | Authentication | USN-6 | As a student i want to login with my google to access my Google classroom- integrated Quizzes |  |  |  |
| Student | Quiz generation | USN-6 | As a Student I want level- appropriate Quizes to be generated |  |  |  |
| Educator | Analytics | USN-6 | As a Educator, I want to view performance of my students. |  |  |  |
| Student | Diagonistics | USN-6 | As a student, i want to take the diagonistic Test for my knowledge checking |  |  |  |