Project Design Phase-II
Data Flow Diagram & User Stories

Date	04 February 2026
Team ID	LTVIP2026TMIDS49957
Project Name	Translingua: Ai-Powered Multi-Language Translator
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.
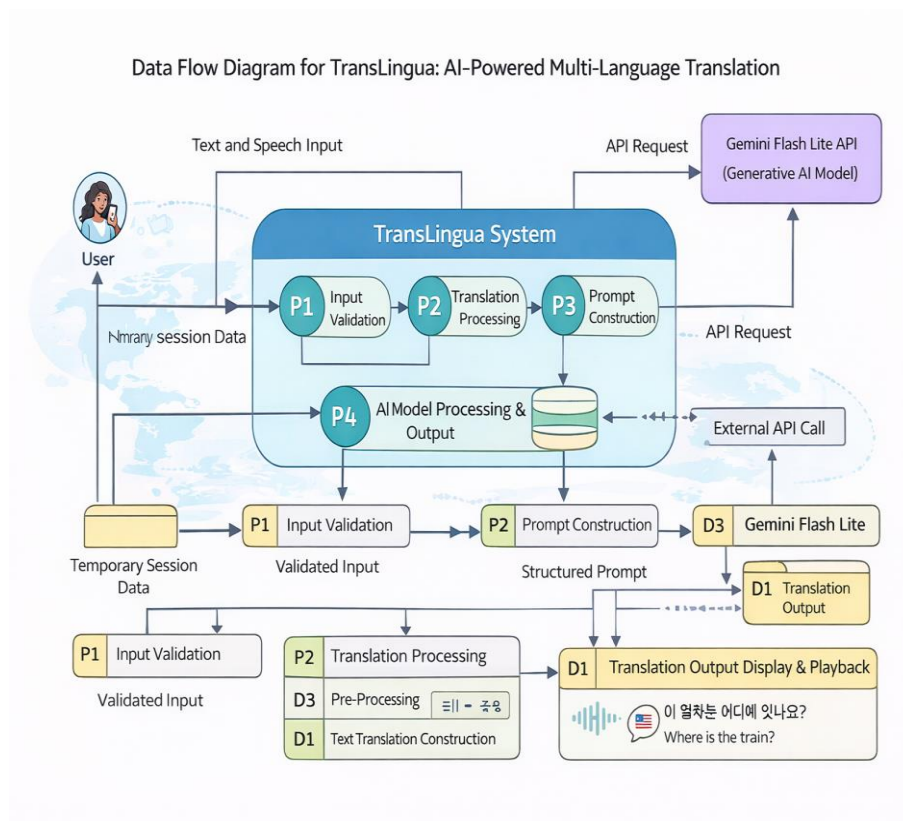
User Stories

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
Customer (Mobile user)	User Interface Setup	USN-1	As a user, I can access a Streamlit-based interface to enter text for translation.	I can open TransLingua interface and access translation input options.	High	Sprint-1
Administrator	Input Validation	USN-2	As a user, I want the application to validate my inputs before translation.	I can validate the inputs.	High	Sprint-1
Customer Care Executive	AI Model Integration	USN-3	As a user, I want the system to translate text using an AI translation model (Gemini/Google Translate API).	The system generates accurate translated output.	High	Sprint-2
Administrator	User Account Management	USN-4	As an admin, I want to manage users and translation data.	Admin can view, update, and manage user records.	Medium	Sprint-2
Customer (Mobile user)	Output Display	USN-5	As a user, I want to view translated text clearly on the screen.	I can see translated results properly formatted.	High	Sprint-3
Customer Care Executive	Deployment	USN-6	As a user, I want the application to be deployed and accessible through the internet.	I can deploy in the system	Medium	Sprint-3