# Requirements analysis

# Data Flow Diagram

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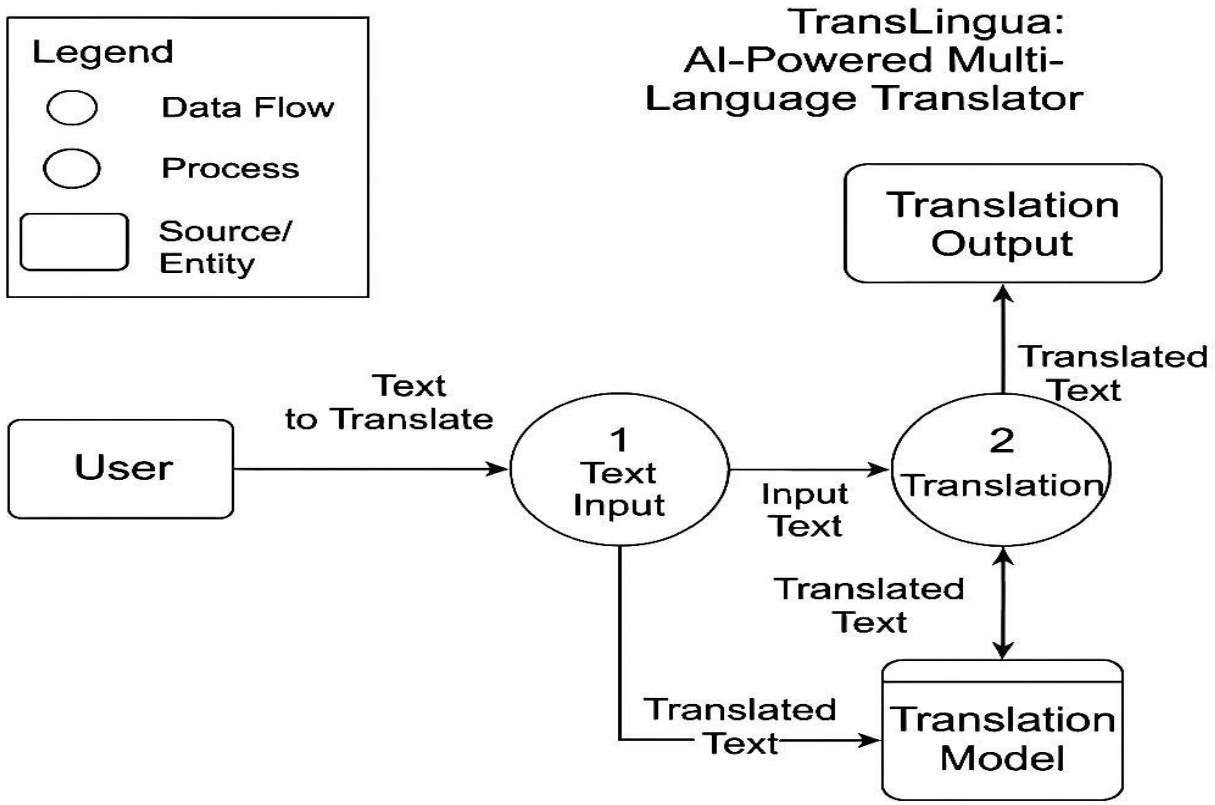
|---|---|
| **Date** | **9 Feb 2026** |
| **Team ID** | **LTVIP2026TMIDS71831** |
| **Project Name** | **Translingua: ai-powered multi-language translator** |
| **Maximum Marks** | **4 Marks** |

## 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.

### Flow Diagram:



# 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 |
|---|---|---|---|---|---|---|
| **General User** | Text Input | USN-1 | As a user, I want to input text in any language for translation. | System accepts and processes input text. | High | Sprint-1 |
| **General User** | Language Detection | USN-2 | As a user, I want the system to automatically detect the input language. | Detected language is displayed before translation. | High | Sprint-1 |
| **General User** | Translation | USN-3 | As a user, I want to receive accurate translation in my selected target language. | Translated text is displayed correctly. | High | Sprint-1 |
| **General User** | Output Display | USN-4 | As a user, I want the translated text to be shown clearly on screen. | Translated output is visible and readable. | High | Sprint-1 |