Project Design Phase-II
Data Flow Diagram & User Stories

Date	04 February 2026
Team ID	LTVIP2026TMIDS66287
Project Name	Flavour Fusion: Ai-Driven Recipe Blogging
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 Diagram for Flavour Fusion: AI-Driven Recipe Blogging
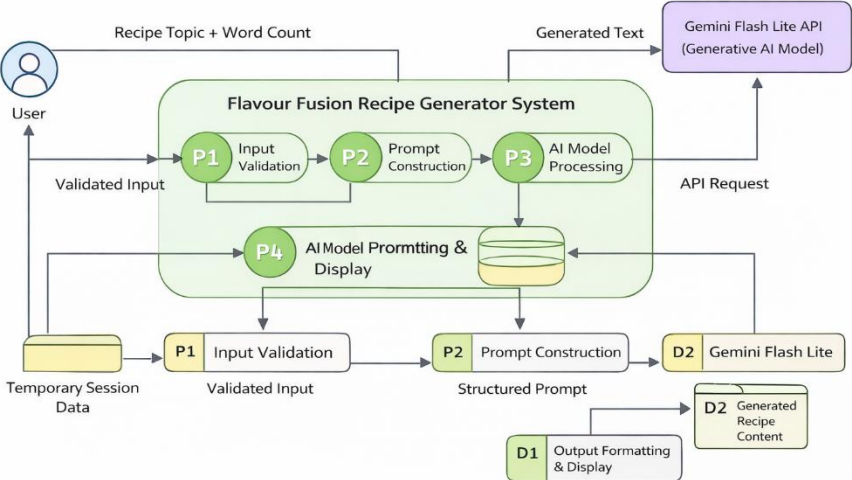
User Stories

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 a recipe topic and word count.	I can access my account / dashboard	High	Sprint-1
Administrator	Input Validation	USN-2	As a user, I want the application to validate my inputs before generating the	I can validate the inputs	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			recipe.			
Customer Care Executive	AI Model Integration	USN-3	As a user, I want the system to generate a recipe blog using the Gemini Flash Lite model.	I can integrate model	High	Sprint-2
Administrator	Joke Generation	USN-4	As a user, I want to see a programming joke while the recipe is being generated.	I can generate a joke for user interaction while recipe generation delayed	Medium	Sprint-2
Customer (Mobile user)	Output Display	USN-5	As a user, I want to view the generated recipe blog clearly on the screen.	I can see the output of recipe generated	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