Project Design Phase-II

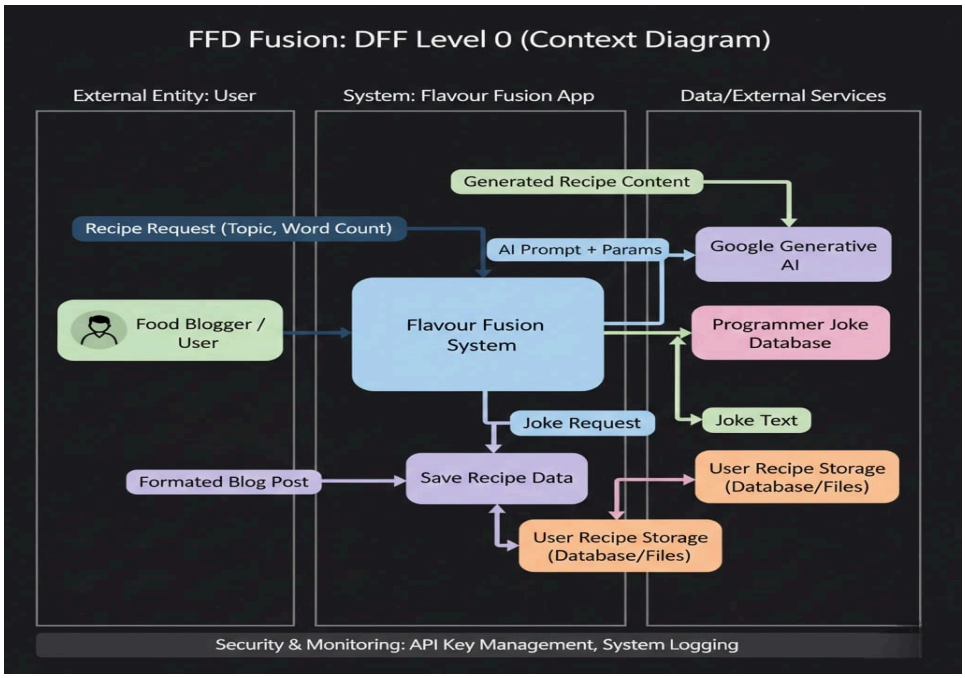
Data Flow Diagram & User Stories

Date	15 February 2026
Team ID	LTVIP2026TMIDS34355
Project Name	Flavour Fusion: AI-Driven Recipe Blogging
Maximum Marks	4 Marks

Data Flow Diagrams (DFD)

DFD Level 0: Context Diagram

This diagram shows how data enters and leaves the Flavour Fusion system, identifying the external entities and the main process.



Detailed Information Flow

1. **User Input**: The user configures the recipe requirements (Topic and Word Count) and starts the app.
2. **Request Processing**: The application logic receives the parameters to process the data load.
3. **Data Extraction & Enrichment**: The system extracts the prompt requirements and passes them to the AI engine for content enrichment.
4. **Result Visualization**: The final enriched data (the recipe blog) is visualized in the UI for

2. User Stories

The following table lists the user stories for the **Flavour Fusion** product, detailing the requirements, priority, and acceptance criteria.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Blogger (Web User)	Registration	USN-1	As a user, I can register for the application through Gmail.	I can access my account dashboard.	Medium	Sprint-1
Blogger (Web User)	Blog Generation	USN-2	As a user, I can enter a topic and word count to generate a recipe blog.	AI produces relevant recipe content based on input.	High	Sprint-1

Blogger (Web User)	UI Engagement	USN-3	As a user, I want to see a programmer joke while waiting for the AI.	A joke is displayed immediately after clicking generate.	Low	Sprint-2
Blogger (Web User)	Data Export	USN-4	As a user, I want to copy or download the generated blog text.	Text is successfully copied to the clipboard.	High	Sprint-1
Administrator	System Monitoring	USN-5	As an admin, I want to view logs of AI generation requests.	Logs show success/error rates and word counts.	Medium	Sprint-2