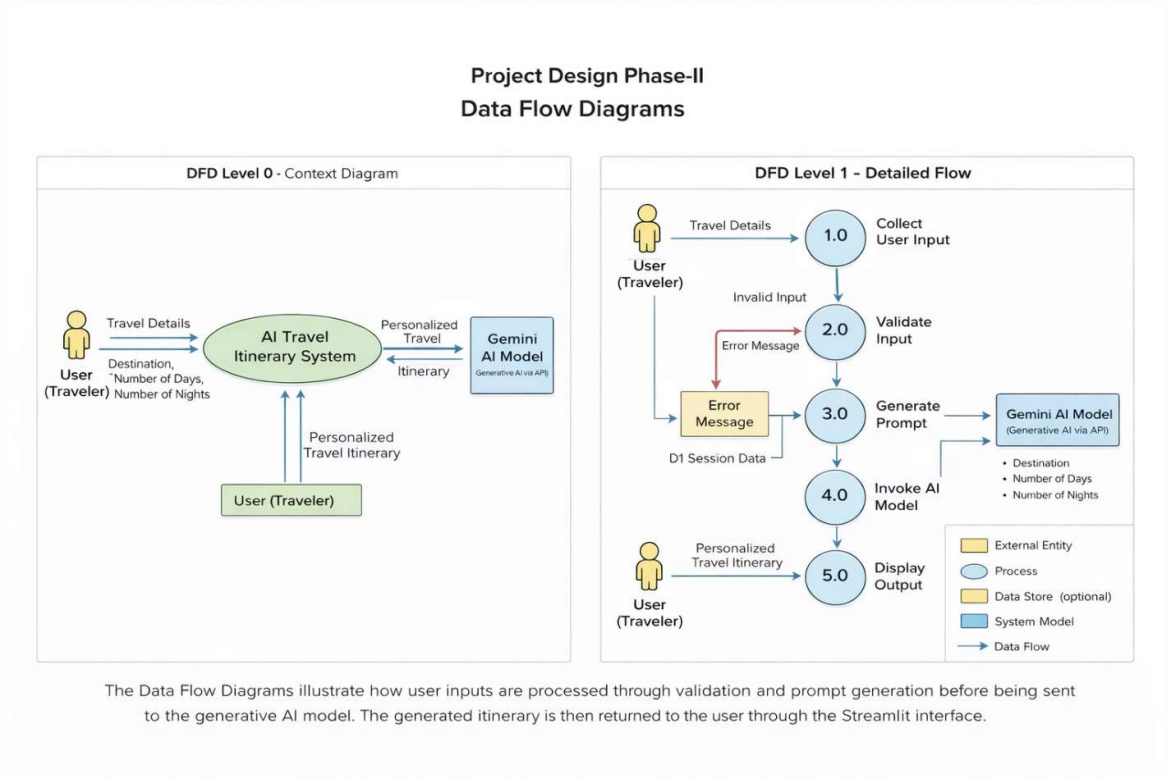
Project Design Phase-II
Data Flow Diagram & User Stories

Date	25 February 2026
Team ID	LTVIP2026TMIDS73330
Project Name	Explore With Ai: Custom Itineraries For Your Next Journey
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.



The Data Flow Diagrams illustrate how user inputs are processed through validation and prompt generation before being sent to the generative AI model. The generated itinerary is then returned to the user through the Streamlit interface.

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 (Web user)	Travel Itinerary Generation	USN-1	As a user, I can enter my destination, number of days, and number of nights to generate a personalized travel itinerary.	The system generates a structured travel itinerary based	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				on the entered details.		
Customer (Web user)	Input Validation	USN-2	As a user, I want the system to validate my input details before generating the itinerary.	If inputs are invalid, the system displays an appropriate error message.	High	Sprint-1
Customer (Web user)	AI Integration	USN-3	As a user, I want the system to use generative AI to create a detailed travel itinerary automatically.	The AI generates a day-wise itinerary including activities and travel tips.	High	Sprint-2
Customer (Web user)	Output Display	USN-4	As a user, I want to view the generated itinerary clearly on the web interface.	The itinerary is displayed in a readable format in the application.	Medium	Sprint-2
Customer (Web user)	Error Handling	USN-5	As a user, I want the system to handle API or runtime errors gracefully.	If an error occurs, the system displays a user-friendly error message without crashing.	Medium	Sprint-3