

Project Design Phase-II
Data Flow Diagram & User Stories

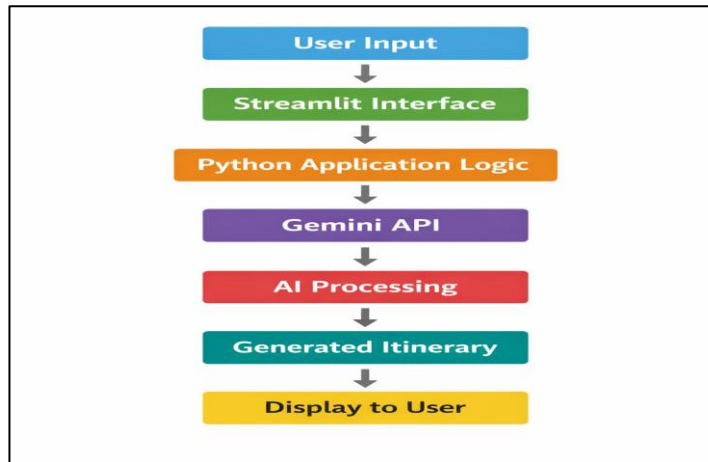
Date	17 February 2026
Team ID	LTVIP2026TMIDS79519
Project Name	Travel Guide AI
Maximum Marks	4 Marks

Data Flow Diagrams:

The Data Flow Diagram describes how information moves through the system.

1. The user provides input through the Streamlit interface.
2. The Python backend collects and validates the input data.
3. A structured prompt is generated based on the input.
4. The prompt is sent to the Google Gemini API.
5. The Gemini model processes the request and generates a response.
6. The generated itinerary is returned to the application.

7. The final output is displayed to the user.



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)	Enter Travel Details	USN-1	As a user, I can enter a destination.	Destination field accepts text input.	High	Sprint-1
		USN-2	As a user, I can enter number of days and nights.	Days & nights fields accept only numeric values ≥ 1 .	High	Sprint-1
		USN-3	As a user, I can enter my travel interests (e.g., beaches, food, adventure).	Interests field accepts text input.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
	Generate Itinerary	USN-4	As a user, I can click the "Generate Itinerary" button.	Button triggers AI generation process.	High	Sprint-1
		USN-5	As a user, I receive a personalized AI-generated itinerary.	System displays day-wise itinerary with attractions, food, and tips.	High	Sprint-1
		USN-6	As a user, I see a loading spinner while itinerary is being generated.	Spinner appears during processing and disappears after response.	Medium	Sprint-1
	Validation & Error Handling	USN-7	As a user, I get a warning if required fields are empty.	Warning message appears if destination or interests are missing.	High	Sprint-1
		USN-8	As a user, I receive a success message after itinerary generation.	Success message displayed once itinerary is generated.	Medium	Sprint-1
	Content Quality	USN-9	As a user, I receive a structured itinerary with tourist attractions and food recommendations.	Itinerary includes day-wise plan, local food, and travel tips.	High	Sprint-1