

Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2026TMIDS81651
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	4 Marks

Data Flow Diagram – TravelGuideAI

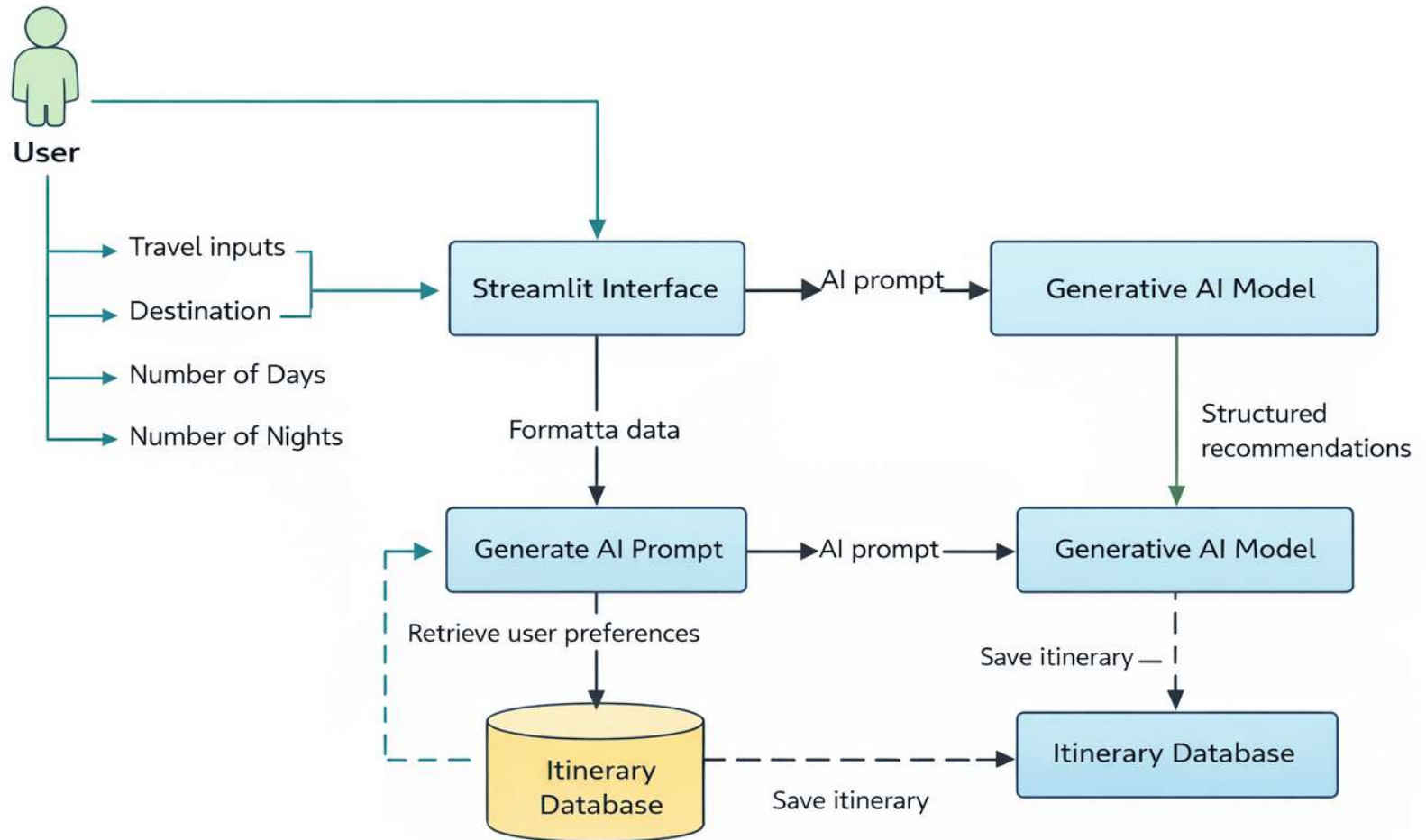
The Data Flow Diagram (DFD) for TravelGuideAI illustrates how user inputs are processed to generate a personalized travel itinerary. The system is designed to capture user requirements, process them through a Generative AI model, and return structured travel recommendations.

In TravelGuideAI, the user provides inputs such as destination, number of days, and number of nights through the Streamlit interface. This data is sent to the backend system where it is formatted into a prompt for the Generative AI model.

The AI model processes the request and generates a detailed itinerary. The output is then sent back to the Streamlit application and displayed to the user.

The DFD helps visualize how information flows between the user, the application interface, and the AI model, ensuring a smooth and efficient itinerary generation process.

Example: DFD Level 0 – TravelGuideAI



User Stories – TravelGuideAI

User Type	Functional Requirement	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account/ dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account/ dashboard	High	Sprint-1
Customer (Web user)	Dashboard					Sprint-1
Customer Care Executive						
Administrator						