

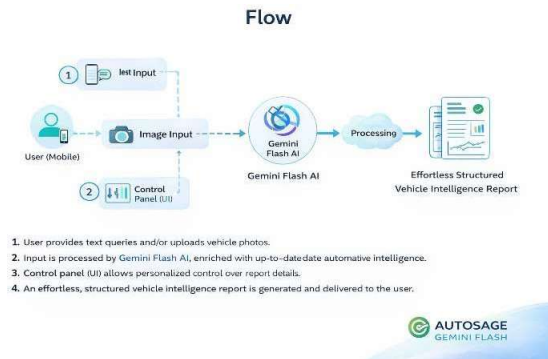
Project Design Phase-II Data Flow Diagram & User Stories

Date	06 February 2026
Team ID	LTVIP2026TMIDS88090
Project Name	AUTOSAGE APP USING GEMINI FLASH
Maximum Marks	4 Marks

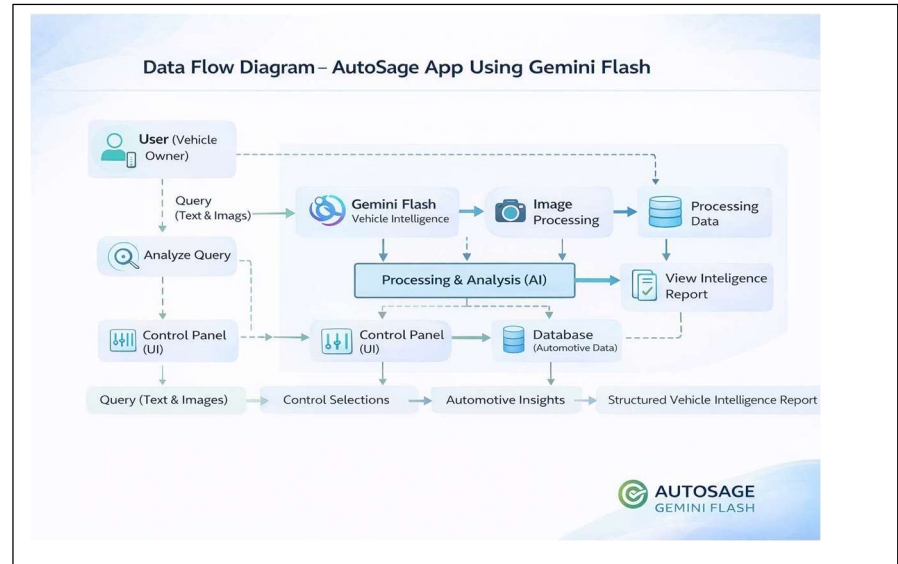
Data Flow Diagrams:

A **Data Flow Diagram (DFD)** is a structured visual representation that illustrates how information flows within the **AUTOSAGE APP USING GEMINI FLASH** system. A clear and well-organized DFD graphically represents system requirements by showing how user inputs (text, images, and control selections) enter the application, how the Gemini Flash AI processes and transforms the data, and how structured vehicle intelligence reports are generated as output.

Example: (Simplified)



Example: DFD Level 0 (Industry Standard)



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)	Registration	USN-1	As a user, I can register using email and password.	User account created and redirected to dashboard.	High	Sprint-1
Customer (Web User)	Registration	USN-2	As a user, I receive a confirmation email after registration.	Confirmation email received and account verified.	High	Sprint-1
Customer (Web User)	Login	USN-3	As a user, I can log in using email and password.	Successful login redirects to dashboard.	High	Sprint-1
Customer (Web User)	Smart Query	USN-4	As a user, I can enter a vehicle-related query to generate an intelligence report.	Structured vehicle intelligence report is displayed.	High	Sprint-1
Customer (Web User)	Image Analysis	USN-5	As a user, I can upload a vehicle image for analysis.	Structured vehicle intelligence report is displayed.	High	Sprint-1
Customer (Web User)	Multimodal Analysis	USN-6	As a user, I can upload an image and provide text input together.	AI generates structured report based on image.	High	Sprint-2
Customer (Web user)	Control Panel	USN-7	As a user, I can select vehicle type and purpose from sidebar controls.	Selected filters affect generated report.	High	Sprint-1
Customer (Web User)	Apply Settings	USN-8	As a user, I can apply selected sidebar changes before analysis.	Selected filters affect generated report.	Medium	Sprint-1
Customer (Web User)	Apply Settings	USN-9	As a user, I can apply selected sidebar changes before analysis.	Changes are reflected in generated output.	High	Sprint-1
Customer (Web User)	Error Handling	USN-10	As a user, I receive warnings if prompt or image is missing	Proper validation messages are displayed.	High	Sprint-1
Administrator	Model Configuration	USN-11	As an admin, I can configure Gemini API settings securely.	API key stored securely and model responds correctly.	High	Sprint-2
Administrator	Performance Control	USN-12	As an admin, I can adjust temperature and token limits.	API key stored securely and model responds correctly.	Medium	Sprint-2
Administrator	Monitoring	USN-13	As an admin, I can monitor AI usage and system	Model configuration changes reflect in responses.	Medium	Sprint-3