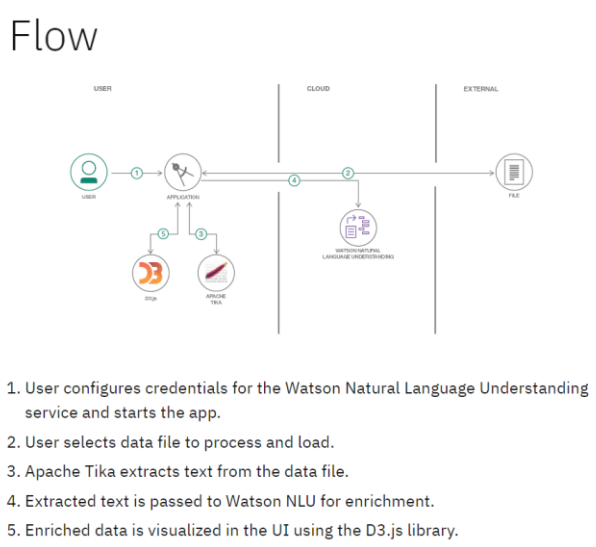
Project Design Phase-II
Data Flow Diagram & User Stories

Date	25 June 2025
Team ID	LTVIP2025TMID51636
Project Name	Visualizing Electric Vehicle Trends: An Analysis of Range, Brands, and Powertrain Features Using Tableau
Maximum Marks	5

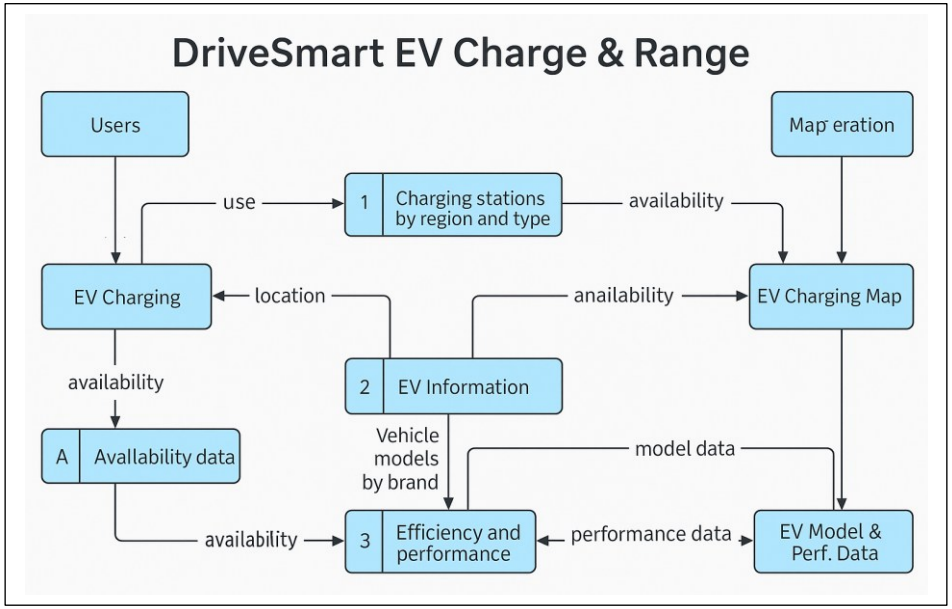
Data Flow Diagrams:

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.

Example: (Simplified)



Data Flow Diagram For EV Data Analysis



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 (Mobile User)	Registration	USN-1	As a user, I can register using my email, password, and confirm password.	I can access my account / dashboard.	High	Sprint-1
		USN-2	As a user, I receive a confirmation email upon registration.	I receive an email and click confirm.	High	Sprint-1
		USN-3	As a user, I can register using Facebook.	I can log in and access dashboard via Facebook.	Low	Sprint-2
		USN-4	As a user, I can register using Gmail.	I can log in using my Gmail account.	Medium	Sprint-1
	Login	USN-5	As a user, I can log in using my email and password.	I can access dashboard after login.	High	Sprint-1
	Dashboard	USN-6	As a user, I can view EV charging stations and car stats on dashboard.	Dashboard shows map, charts, car prices, and range.	High	Sprint-2
	Charging Station Map	USN-7	As a user, I can view the nearest charging stations using a map.	The map updates based on location.	Medium	Sprint-2
Customer (Web User)	EV Analytics Dashboard	USN-8	As a web user, I can compare EVs by price, range, and style via graphs.	I see graphs like bar, bubble, and treemap.	High	Sprint-2
	Interactive Filters	USN-9	As a web user, I can filter data by brand, region, or charger type.	Filters apply instantly and update charts.	High	Sprint-2
	Download Reports	USN-10	As a web user, I can export dashboards as PDF.	PDF is downloaded and formatted well.	Medium	Sprint-3
Customer Care Executive	Support View	USN-11	As a support agent, I can view user queries or feedback regarding stations.	Ticket system or feedback log is visible.	Medium	Sprint-3
	Update Info	USN-12	As a support agent, I can request updates to charging station data.	Request is sent to admin.	Low	Sprint-3