

Project Design Phase-II

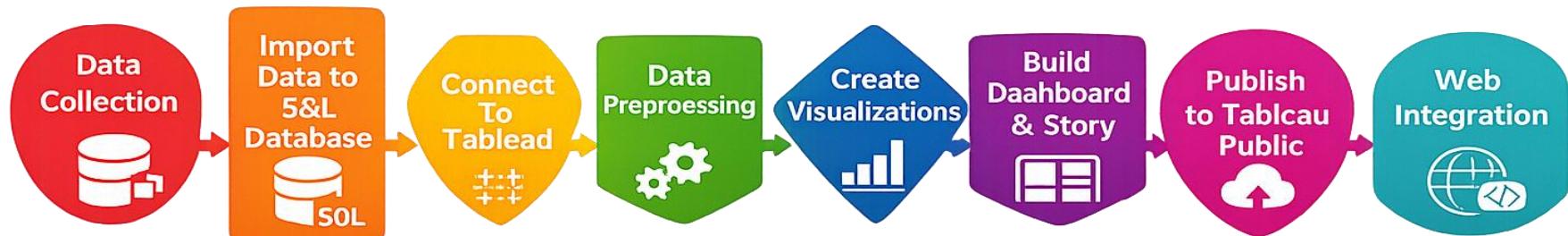
Data Flow Diagram & User Stories

Date	7 February 2026
Team ID	LTVIP2026TMIDS91295
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
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.

Electric Vehicle Charge & Range Analysis Visualization Process



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)	Dashboard	USN-1	As a user, I want to view the Electric Cars Analytics Dashboard to understand EV insights.	Dashboard loads and filters work properly.	High	Sprint-1
Customer (Web user)	Story Navigation	USN-2	As a user, I want to navigate Story of Electric Cars in India step-by-step.	Story points change using navigation arrows.	High	Sprint-1
Customer (Web user)	Filters	USN-3	As a user, I want to apply BodyStyle and PowerTrain filters.	Visualizations update dynamically.	High	Sprint-1
Customer Care Executive	Analysis	USN-4	As an analyst, I want to analyze EV brands by efficiency and speed.	Charts display aggregated results correctly.	Medium	Sprint-2
Customer Care Executive	Charging Stations	USN-5	As an analyst, I want to view charging station distribution.	Map shows region markers accurately.	Medium	Sprint-2
Administrator	Data Connectivity	USN-6	As an admin, I want to connect Tableau with MySQL database.	Database connection succeeds without errors.	High	Sprint-1
Administrator	Publishing	USN-7	As an admin, I want to publish Dashboard & Story to Tableau Public.	Public link generated successfully.	High	Sprint-2
Administrator	Flask Integration	USN-8	As an admin, I want to embed Tableau dashboard into Flask website.	Dashboard loads inside web interface.	High	Sprint-3
Administrator	Deployment	USN-9	As an admin, I want to deploy Flask app online.	Live website opens without errors.	High	Sprint-3
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Customer (Web user)	Filters	USN-3	As a user, I want to apply BodyStyle and PowerTrain filters.	Visualizations update dynamically.	High	Sprint-1