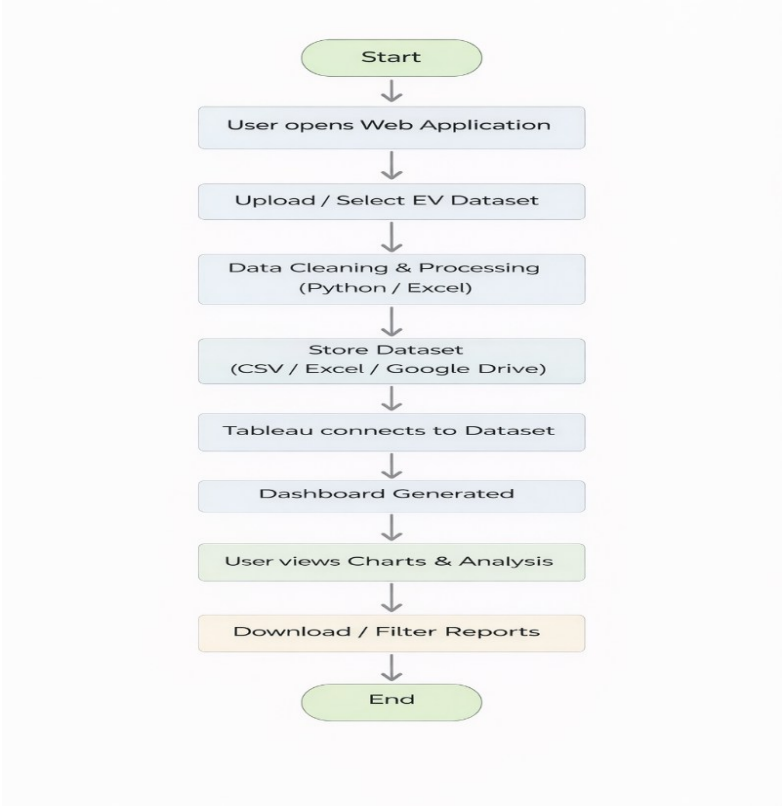
Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 February 2026
Team ID	LTVIP2026TMIDS40575
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Data Flow Diagrams:



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	View Dashboard	USN-1	As a user, I can open the EV dashboard to view vehicle range and charging analysis.	Dashboard loads successfully	High	Sprint-1
Customer (Web user)	Apply Filters	USN-2	As a user, I can filter vehicles by range, battery capacity, or model.	Filters update charts correctly	High	Sprint-1
Customer (Web user)	Compare Vehicles	USN-3	As a user, I can compare EV models based on charging time and range.	Comparison charts displayed	Medium	Sprint-1
Customer (Web user)	View Charts	USN-4	As a user, I can view charts like bar charts, pie charts, and line charts.	Charts visible without errors	High	Sprint-1
Customer (Web user)	Analyze Insights	USN-5	As a user, I can analyze EV performance trends from the dashboard.	Insights visible clearly	Medium	Sprint-2
Administrator	Update Dataset	USN-6	As an admin, I can update or upload new EV datasets.	Dataset updates reflect in dashboard	High	Sprint-1
Administrator	Data Cleaning	USN-7	As an admin, I can clean and preprocess dataset before visualization.	Clean dataset stored successfully	High	Sprint-1