

Project Design Phase-II

Data Flow Diagram & User Stories

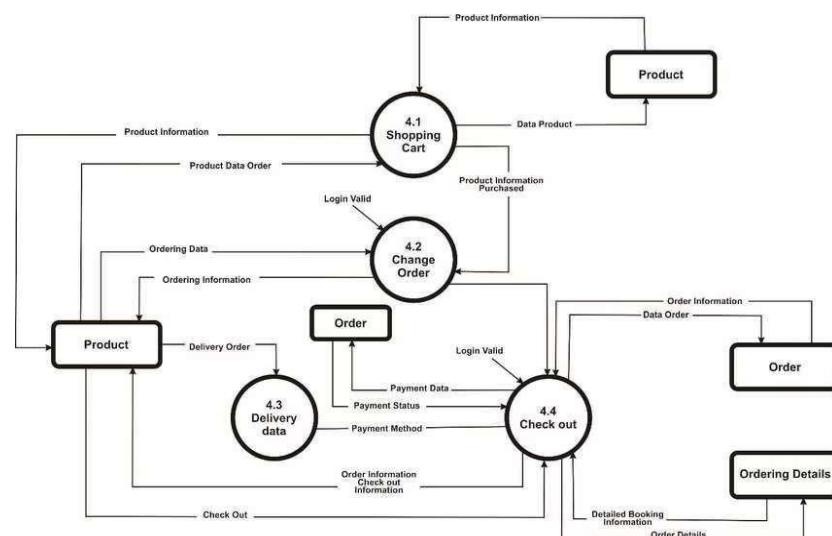
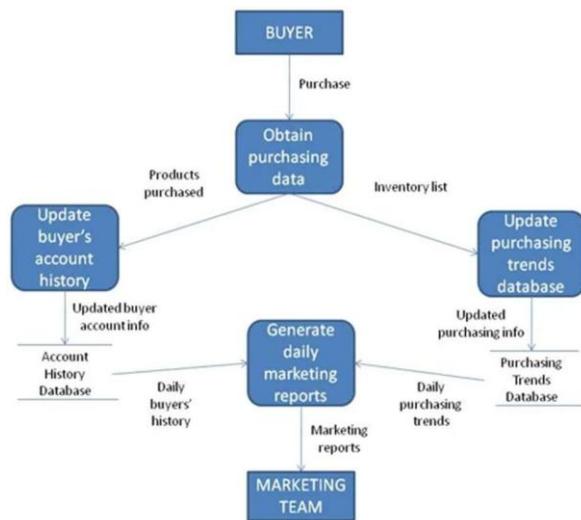
Date	1 February 2026
Team ID	LTVIP2026TMIDS61504
Project Name	Visualization tool for electric vehicle charge and range analysis
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a graphical representation of how data flows within the electric vehicle charge and range visualization system. A clear and well-structured DFD helps illustrate system requirements by showing how electric vehicle data is collected, processed, stored, and visualized.

The DFD explains how data related to battery charge, driving range, and charging stations enters the system, how it is transformed through analysis, and how the processed information is stored and presented to users through dashboards and visual reports.

Example: Flow Diagrams



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 for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer (Mobile user)	Registration	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
Customer (Mobile user)	Registration	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (Mobile user)	Registration	USN-4	As a user, I can register for the application through Gmail	Gmail registration works successfully.	Medium	Sprint-1
Customer (Mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	I am redirected to the dashboard after login.	High	Sprint-1
Customer (Mobile user)	Dashboard	USN-6	As an User, I can view an EV dashboard showing battery charge and range details	Dashboard displays correct EV data visualizations.	High	Sprint-1
Customer (Web user)	Data Visualization	USN-7	As a web user, I can analyze battery range vs charging time using charts.	Interactive charts load and respond correctly.	Medium	Sprint-2
Customer (Web user)	Location Analysis	USN-8	As a web user, I can view nearby EV charging stations based on location.	Charging stations are displayed accurately on the map.	High	Sprint-1
Customer Care Executive	Support	USN-9	As a support executive, I can view and respond to user issues related to EV data.	Support dashboard shows user queries.	Medium	Sprint-2
Administrator	Data Management	USN-10	As an admin, I can upload, update, and manage EV datasets.	Updated data reflects in dashboards correctly.	High	Sprint-1
Administrator	User Management	USN-11	As an admin, I can manage user accounts and permissions.	Admin can add, update, or remove users.	High	Sprint-1