

Project Design Phase-II
Data Flow Diagram & User Stories

Team ID	LTVIP2026TMIDS36712
Project Name	iRevolution – A Data-Driven Exploration of Apple's iPhone Impact in India using Tableau

Data Flow Diagram:

The Data Flow Diagram represents how data moves within the smartphone analysis system. The user provides input such as search filters and login details. The system processes the request and retrieves data from the smartphone database. The admin updates and maintains data. The system analyzes information and displays charts, insights, and recommendations to help users make better purchasing decisions.

This diagram shows how data moves inside the Smartphone Analysis System and how different users interact with it.

1. User (Mobile / Web User)

The user gives input such as search options, filters, login details, or mobile preferences.

This input is sent to the system for processing.

Input → System

2. Smartphone Analysis System (Tableau)

3.Smartphone Database

Stores mobile phone information like prices, specifications, and features.

The system collects data from the database when needed.

Data Storage

4.Admin

The admin updates and manages the database.

New phone details and changes are added by the admin.

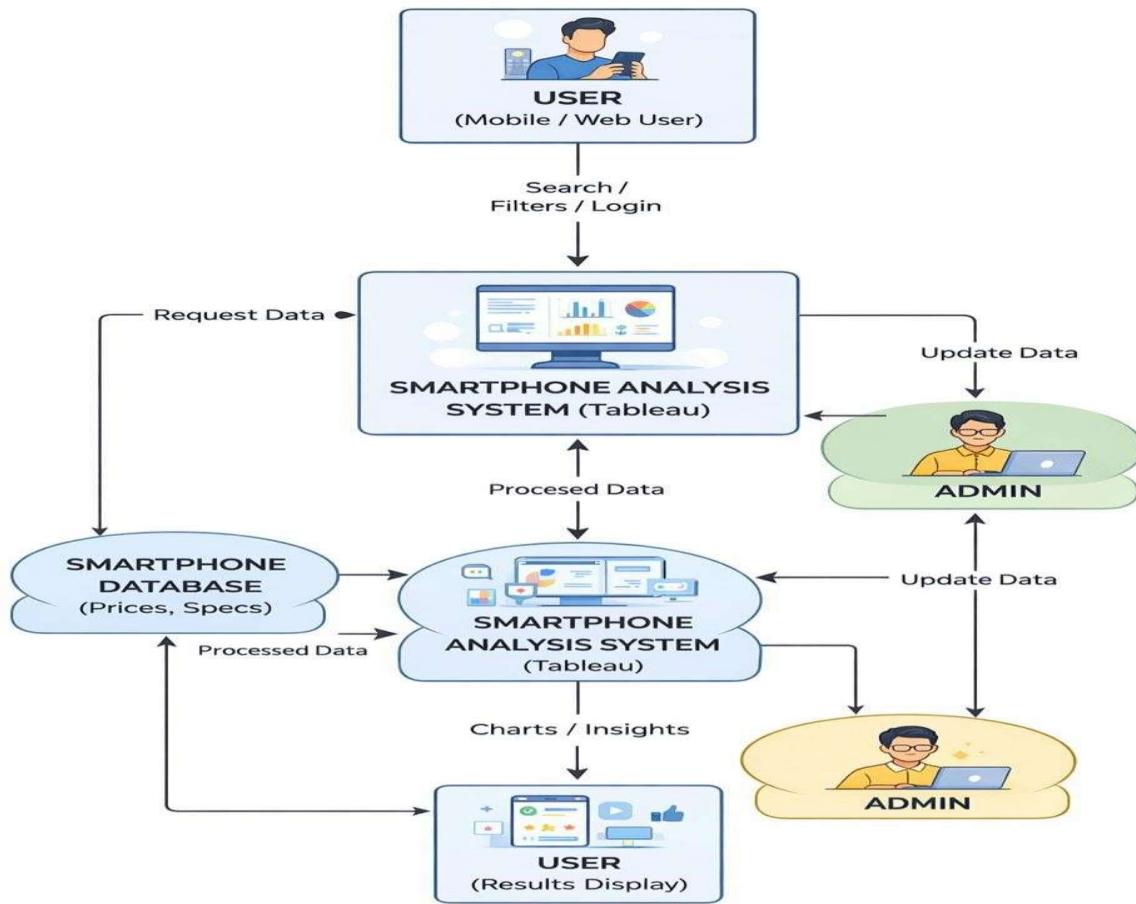
Data Management

5.Output (Results Display)

After processing, the system displays charts, analysis, and recommendations.

The user views these results on the dashboard.

Output → User



User Stories

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.	User can access account/dashboard after registration.	High	Sprint-1
Customer (Mobile User)	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	User receives confirmation email and confirms account.	High	Sprint-1
Customer (Mobile User)	Registration	USN-3	As a user, I can register for the application through Facebook.	User can register and access dashboard with Facebook login.	Low	Sprint-2

Customer (Mobile User)	Registration	USN-4	As a user, I can register for the application through Gmail.	User can register and access dashboard with Gmail login.	Medium	Sprint-1
Customer (Mobile User)	Login	USN-5	As a user, I can log into the application by entering email & password.	User can log in successfully and open dashboard.	High	Sprint-1
Customer (Mobile User)	Dashboard	USN-6	As a user, I can view the smartphone analysis dashboard.	Dashboard loads and shows charts/insights.	High	Sprint-1

Customer (Web User)	Search & Filter	USN-7	As a user, I can search and filter smartphones by brand, budget, and features.	Filtered results are displayed correctly.	High	Sprint-1
Customer Care Executive	Support	USN-8	As a customer care executive, I can view user issues and respond to queries.	Queries are tracked and resolved.	Medium	Sprint-2
Administrator	Data Management	USN-9	As an admin, I can add, update, and delete smartphone data.	Updated data is reflected in the dashboard.	High	Sprint-1