

Project Design Phase-II

Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID49000
Project Name	iRevolution: A Data-driven Exploration of Apple's iPhone Impact in India using Tableau
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.

User Stories

Use the below template to list all the user stories for the product.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Data Ingestion	USN-1	Import raw Flipkart dataset into working environment.	2	High
Sprint-1	Data Cleaning	USN-2	Clean missing URLs, UPC codes, and correct column names.	3	High
Sprint-1	Data Enrichment	USN-3	Create fields for "Savings" and "IsDiscounted".	2	Medium
Sprint-1	Price Correction	USN-4	Ensure consistent currency and fix formatting issues.	2	Medium

Sprint-2	Feature Engineering	USN-5	Derive "Model Series" from product titles.	3	High
Sprint-2	Rating Aggregation	USN-6	Calculate average rating per model.	2	Medium
Sprint-2	Tableau Integration	USN-7	Load cleaned and processed data into Tableau.	1	High
Sprint-3	Visualization: Pricing Trends	USN-8	Visualize iPhone price trends and discount rates over time.	4	High
Sprint-3	Visualization: Ratings	USN-9	Build rating distribution visualizations per model.	3	Medium
Sprint-4	Regional Insights (Optional)	USN-10	Attempt to visualize region-wise iPhone data (if available).	4	Low
Sprint-4	Dashboard Polishing	USN-11	Finalize dashboard aesthetics and interactivity.	2	High
Sprint-4	Report Generation	USN-12	Export visuals and insights into final report.	1	High