

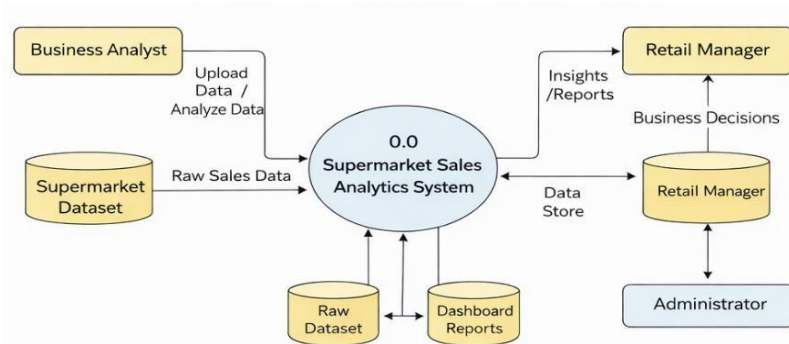
## Data Flow Diagram & User Stories

Date	11 February 2026
Team ID	LTVIP2026TMIDS75097
Project Name	Strategic Product Placement Analysis: Unveiling Sales Impact with Tableau Visualization
Maximum Marks	4 Marks

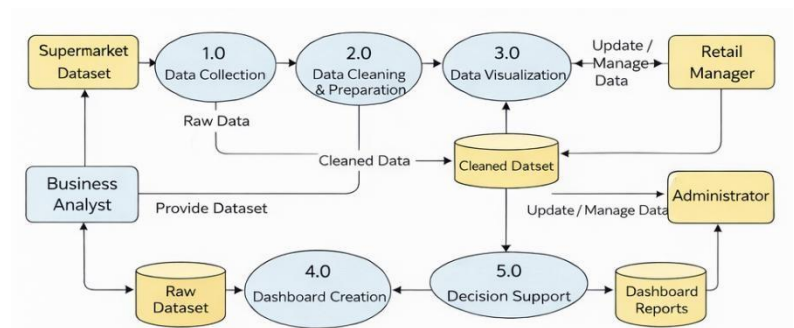
### Data Flow Diagrams:

- Supermarket Sales Analytics System (Level 0) diagram shows the overall interaction between the Business Analyst, Retail Manager, Administrator, and the Supermarket Sales Analytics System. It illustrates how raw sales data is processed to generate reports and insights for business decision-making.
- Detailed Data Analytics Process (Level 1) diagram explains the internal workflow of the system, including data collection, cleaning, visualization, dashboard creation, and decision support. It shows how raw data is transformed into meaningful insights for managerial decisions.

#### Super Market Sales Analytics System (Level 0)



#### Detailed Data Analytics Process (Level 1)



## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Business Analyst	Data Upload & Preparation	USN-1	As a business analyst, I can upload the supermarket dataset into Tableau.	Dataset loads successfully and fields are visible in Tableau.	High	Sprint-1
		USN-2	As a business analyst, I can clean and remove unnecessary columns.	Irrelevant fields are removed without affecting data integrity.	High	Sprint-1
	Data Visualization	USN-3	As a business analyst, I can create bar charts to analyse product sales.	Bar chart correctly displays total sales by product line.	High	Sprint-1
		USN-4	As a business analyst, I can create line charts to analyse monthly sales trends.	Line chart displays sales from January to March correctly.	High	Sprint-1
		USN-5	As a business analyst, I can create donut and pie charts to analyse payment methods.	Chart shows correct percentage distribution.	Medium	Sprint-2
		USN-6	As a business analyst, I can create dashboards combining multiple visualizations.	Dashboard displays multiple charts in one view.	High	Sprint-2
Retail Manager	Decision Support	USN-7	As a retail manager, I can view sales performance by branch.	Sales by branch are clearly displayed.	High	Sprint-2
		USN-8	As a retail manager, I can analyse payment method trends.	Payment distribution chart is visible and accurate.	Medium	Sprint-2
Administrator	System Management	USN-9	As an admin, I can manage data access and permissions.	Only authorized users can access dashboards.	Medium	Sprint-3