Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 June 2025
Team ID	LTVIP2025TMID49620
Project Name	Toy Craft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Data Flow Diagrams:-

A **Data Flow Diagram (DFD)** shows **how data moves** through a system.

Main Parts of a DFD:

1. **Process** – A circle. It **does something** with the data (like calculate or check).
2. **Data Store** – An open rectangle. It **holds** data (like a file or database).
3. **External Entity** – A square. It's **someone or something outside** the system (like a customer or another system).
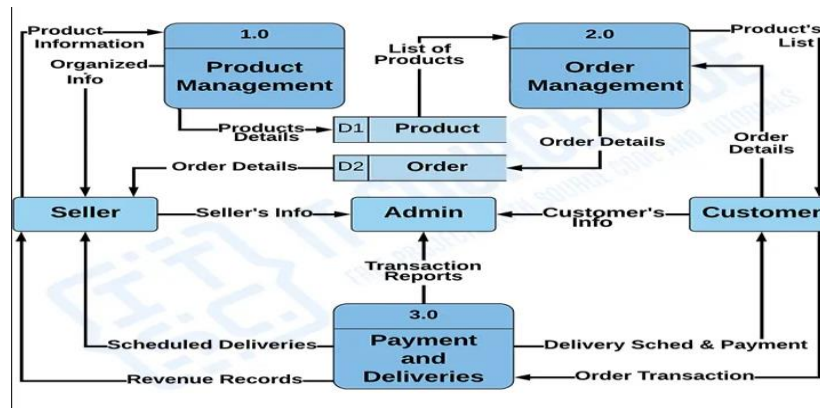4. **Data Flow** – An arrow. It **shows data moving** between the other parts.

Fig. (a)

Fig. (b)

User Stories:-

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Online/Offline Purchase Mode Selection	US01	As a customer, I want to choose to buy toys either online or offline	- Customer can select either online or offline mode during checkout - Selection is saved with the sale record	High	v1.0
Customer	Order Confirmation	US02	As a customer, I want to receive confirmation of my purchase	- Confirmation message/email is sent after order - Order details are shown to the use	High	v1.0
System Admin	Record Sale with Location & Mode	US03	As a system admin, I want to record each sale with purchase mode and customer location	Sale record includes: item, price, location (state), and mode (online/offline) - Data saved in database	High	v1.0
Sales Analyst	View Sales by Mode & Location	US04	As a sales analyst, I want to view sales reports by country and mode	- Report includes filter by mode and location - Charts/tables display correct sales breakdowns	Medium	v1.1
System Admin	Update Sales Database	US05	As a system admin, I want the system to update sales records automatically	- New sales are reflected in the system in real-time or scheduled sync	Medium	v1.1
System Admin	Centralized Data Storage	US06	As a system admin, I want to store all sales data in a central database	- Sales data is stored securely and accessible to authorized users	High	v1.0
Sales Manager	Compare Online vs Offline Sales	US07	As a sales manager, I want to compare online and offline sales across top-performing US states	- System can generate comparative reports - Trends clearly shown for key states	Medium	V1.2