Project Design Phase-II
Data Flow Diagram & User Stories

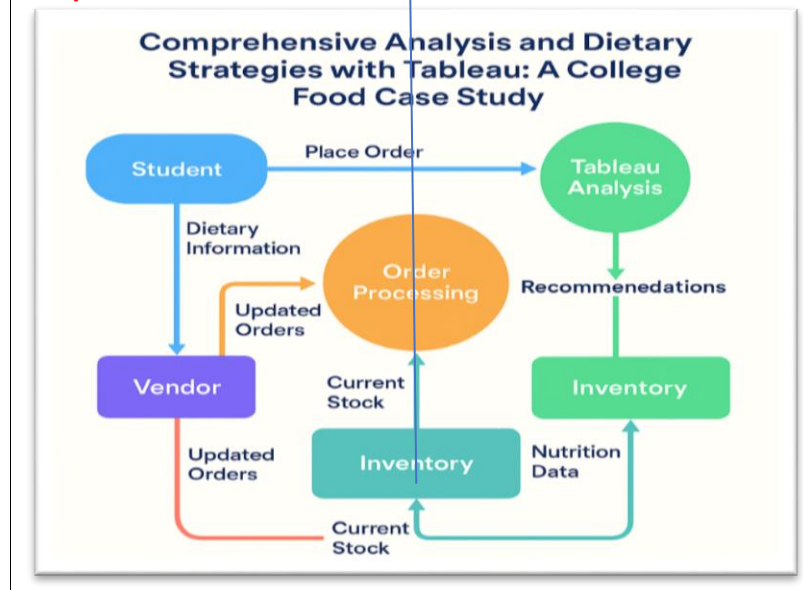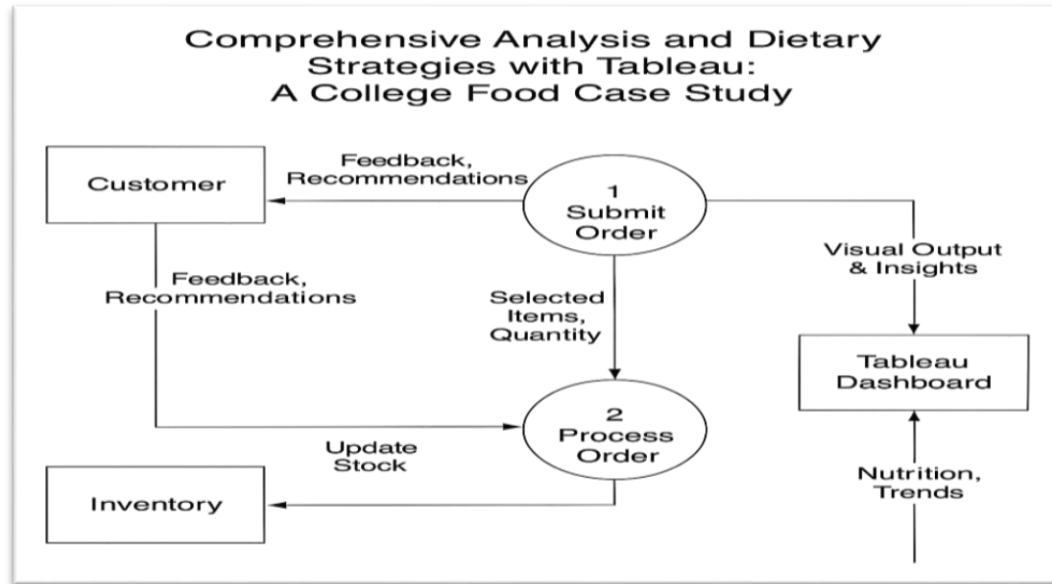| Date	10th June 2025
Team ID	LTVIP2025TMID48638
Project Name	Comprehensive Analysis and Dietary strategies with tableau: A college food case study
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flow... ...ount of the system requirement graphically. It shows how data enters and leaves the system, wha...

Example: DFD Level 0 (Industry Standard)

An interactive DFD Level 0 diagram for the topic: Comprehensive Analysis and Dietary strategies with tableau: A college food case study

Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Case Study

Entities:

- **Customer (External Entity)**: The student or college user providing inputs such as food preferences, health data, or placing a food order.
- **Inventory (Data Store)**: Contains available food items, ingredients, nutritional information, and stock levels.
- **Tableau Analysis (Process)**: The core analytical system that processes and visualizes data.
- **Order Process (Process)**: Handles selection, customization, and fulfillment of food orders.

This Level 1 DFD breaks down the core interactions and information pathways in a college-level dietary management system powered by Tableau, allowing for personalized dietary strategies and effective inventory control.

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Student (Mobile User	Registration	USN-1	. As a user, I can register by entering my name, email, and	I can successfully create and log into an account.	High	sprint 1
	Data Input	USN-2	As a user, I can enter my daily food intake and mood.	I can save and view my input for each day	High	Sprint 2
	Dashboard	USN-3	As a user, I can view visual reports of my food preferences and calorie intake.	Visualizations are personalized and reflect data	High	Sprint 3
	Diet Suggestion	USN-4	As a user, I can get personalized dietary suggestion GPA	I receive a weekly meal recommendation.	Medium	Sprint 3
	Feedback	USN-5	As a user, I can submit feedback about the food quality or dashboard usability	Feedback is stored and acknowledged.	Medium	Sprint 3
Researcher (Web User	Dashboard Analytics	USN-6	As a researcher, I can analyze student dietary trends using Tableau dashboards.	I can filter data by gender, GPA, or dietary habit	High	Sprint 1
	Export Report	USN-7	As a researcher, I can export visuals and summary reports for research publications.	Reports are downloadable in PDF and Excel format	Medium	Sprint 2
	Data Comparison	USN-8	As a researcher, I can compare food trends across semesters or department	Comparative charts are generated from historical data.	Medium	Sprint 3
Nutrition Analyst / Admin	Food Inventory Insight	USN-9	As an admin, I can review and moderate data submitted students	I can approve or flag entries that are inconsistent or inappropriate	High	Sprint 1