

## Project Design Phase-II

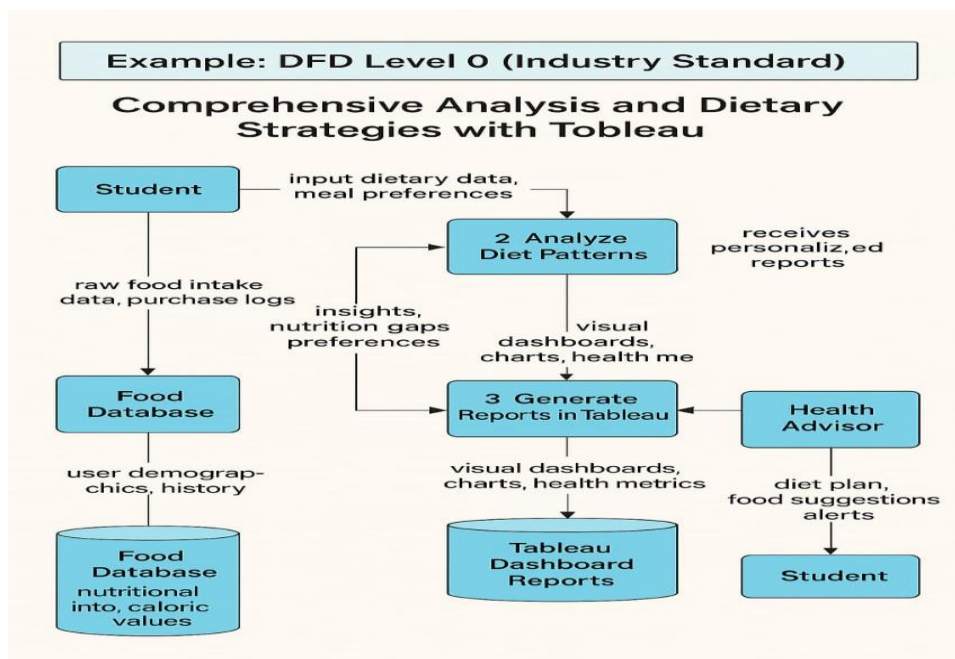
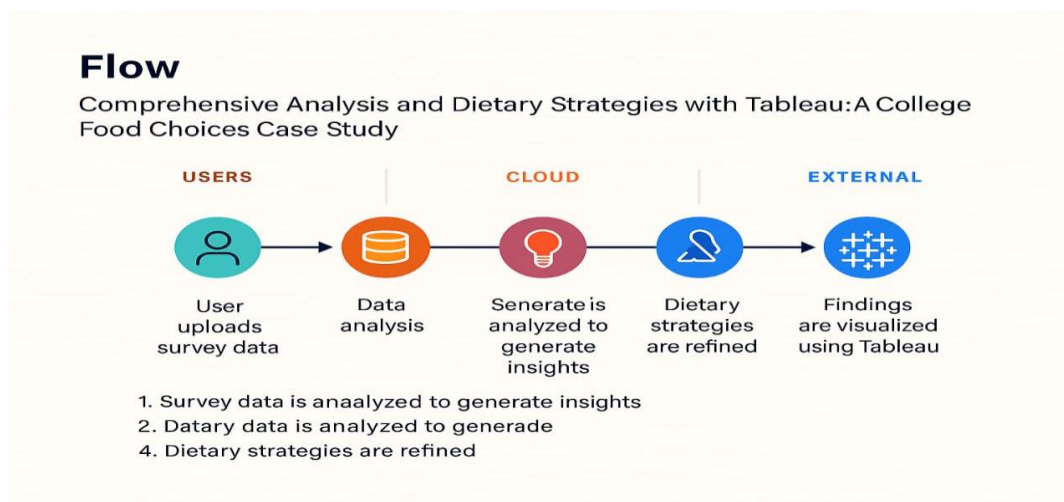
### Data Flow Diagram & User Stories

Date	26 June 2025
Team ID	LTVIP2025TMID48343
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
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.

#### Example: [Simplified](#)



## User Stories

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Student (Mobile/Web)	Data Entry	USN-1	As a student, I can input my daily meals including food items and quantities.	I can view and submit a completed meal entry form.	High	Sprint -1
Student (Mobile/Web)	Visualization Access	USN-2	As a student, I can view a visual analysis of my weekly nutrition intake via Tableau dashboard..	I can access charts showing my calorie and nutrient intake	High	Sprint -1
Student (Mobile/Web)	Comparison & Suggestions	USN-3	As a student, I can compare my dietary intake to recommended guidelines and receive suggestions.	I receive personalized dietary tips based on my current intake.	Medium	Sprint -2
Nutrition Expert	Data Analysis & Oversight	USN-4	As a nutrition expert, I can review aggregated data from multiple students for analysis.	I can filter and download collective data for analysis.	High	Sprint -2
College Admin	Reporting	USN-5	As an admin, I can generate reports on dietary trends among student groups.	I can export reports showing trends, deficiencies, and participation rates.	Medium	Sprint -3
Student	Goal Tracking	USN-6	As a student, I can set personal dietary goals and track my progress over time.	I can view goal progress with visual indicators on my dashboard.	Low	Sprint -3
Student	Feedback & Recommendations	USN-7	As a student, I can receive automatic feedback based on unhealthy food choices I log.	I see alert messages or tips when I log unhealthy meals.	Medium	Sprint -2
Student	History Tracking	USN-8	As a student, I can view a history of all my past meal entries and dietary feedback.	I can browse my past entries by date or week.	Medium	Sprint -2
Nutrition Expert	Custom Rule Definition	USN-9	As a nutrition expert, I can define custom dietary rules for students with different needs (e.g., athletes)..	I can add and assign dietary rule sets to specific student categories	Low	Sprint -3
College Admin	Participation Analytics	USN-10	As an admin, I can view participation metrics by department, year, or gender.	I can filter participation reports by different demographics.	Low	Sprint -3