

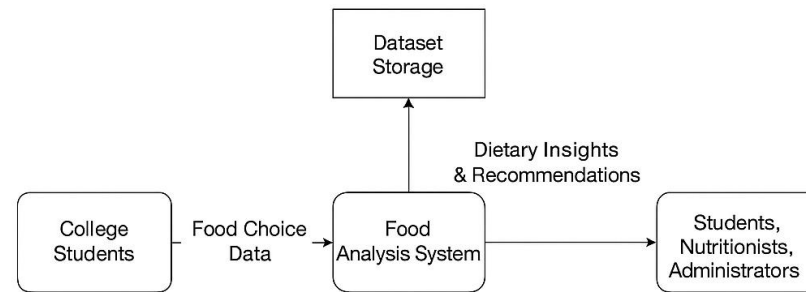
**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	27 June 2025
Team ID	LTVIP2025TMID59682
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	4 Marks

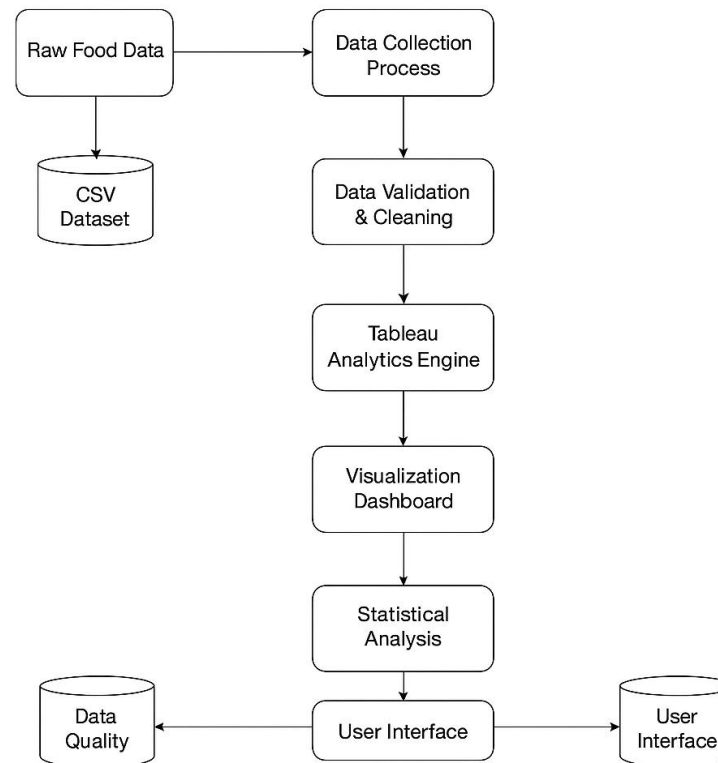
Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study

**Data Flow Diagram**

### Level 0 (Context Diagram)



### Level 1 (System Overview)



## User Stories

User Type	Functional Require	User Story N	User Story / Task	Acceptance Criteria	Priority	Release
Data Analyst	Data Import & Proc	USN-1	As a data analyst, I can import the college foo for analysis	Dataset loads successfully with all 64 var correctly identified	High	Sprint-1
		USN-2	As a data analyst, I can clean and validate the quality	Missing values are identified, outliers are fla resolved	High	Sprint-1
		USN-3	As a data analyst, I can create calculated fields	BMI calculations, calorie intake ratios, and computed accurately	Medium	Sprint-1
Nutritionist	Dietary Analysis	USN-4	As a nutritionist, I can analyze calorie consum demographic groups	Interactive dashboards show calorie intake l with statistical significance	High	Sprint-1
		USN-5	As a nutritionist, I can examine the relatio choices and eating behaviors	Visualizations reveal comfort food preferen dietary changes	High	Sprint-2
		USN-6	As a nutritionist, I can assess nutritional aware	Charts display nutritional check behaviors, vit perceptions	Medium	Sprint-2
Campus Administ	Health Insights	USN-7	As a campus administrator, I can view overall population	Dashboard shows weight perception, exerci indicators	High	Sprint-2

User Type	Functional Require	User Story N	User Story / Task	Acceptance Criteria	Priority	Release
		USN-8	As a campus administrator, I can analyze dining food services	Reports show preferred cuisines, eating out patterns	Medium	Sprint-2
		USN-9	As a campus administrator, I can identify at-risk health interventions	Filtered views highlight students with poor indicators	High	Sprint-3
<b>Student/End User</b>	Self-Assessment	USN-10	As a student, I can compare my dietary habits	Personal dietary profile comparison with and	Medium	Sprint-3
		USN-11	As a student, I can receive personalized dietary analysis	Tailored suggestions based on current demographic factors	Low	Sprint-3
<b>Researcher</b>	Advanced Analytics	USN-12	As a researcher, I can perform correlation analysis and food choices	Statistical correlations between exercise, energy and dietary patterns	Medium	Sprint-2
		USN-13	As a researcher, I can generate comprehensive publication	Formatted reports with statistical analysis, visualization	Low	Sprint-3
		USN-14	As a researcher, I can export analysis results for research	Data export capabilities in CSV, PDF, and presentation	Low	Sprint-3
<b>General User</b>	Dashboard Access	USN-15	As any user, I can access an intuitive dashboard	User-friendly interface with clear navigation	High	Sprint-1
		USN-16	As any user, I can filter and drill down into specific	Interactive filters for gender, grade level, income	High	Sprint-2

User Type	Functional Require	User Story N	User Story / Task	Acceptance Criteria	Priority	Release
		USN-17	As any user, I can view trend analysis over diff	Time-series like analysis showing patter characteristics	Medium	Sprint-2