**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 26 Jun 2025 |
| Team ID | LTVIP2025TMID47910 |
| 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: DFD Level 0 (Industry Standard)

**Example: [(Simplified)](https://developer.ibm.com/patterns/visualize-unstructured-text/)**

Diagram

Description automatically generated

**Diagram, timeline

Description automatically generated**

**User Stories**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Analyst | Dashboard Development | USN-1 | As an analyst, I want to visualize food preferences using bar and pie charts | Charts display correct categories | High | Sprint-1 |
| Analyst | Data Cleaning | USN-2 | As an analyst, I want to clean and preprocess survey data to remove nulls | Cleaned data visible in Tableau | High | Sprint-1 |
| Analyst | Calculated Fields | USN-3 | As an analyst, I want to create calculated fields to reclassify survey responses | Fields calculated correctly | High | Sprint-1 |
| Analyst | Filter Integration | USN-4 | As an analyst, I want to allow users to filter dashboard results by gender and GPA | Filters function as expected | Medium | Sprint-2 |
| Viewer | Interactive Dashboard | USN-5 | As a user, I want to interact with the dashboard to explore different insights | Interactive elements respond correctly | High | Sprint-2 |
| Viewer | Story View | USN-6 | As a user, I want to view a story summarizing key food habit trends | Story is logically structured | Medium | Sprint-2 |