

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	28 June 2025
Team ID	LTVIP2025TMID51206
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau : A College Food Choices Case Study
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Dashboard Overview	Display key summary statistics at glance.
FR-2	Time-Based Trend Analysis	Show trends in food choices over time
FR-3	Specific Filters	Provide specific filters for individual visualizations
FR-4	Data Export	Enable users to export underlying data from any visualizations
FR-5	Responsive Design	The dashboard should be viewable and functional on various screen sizes
FR-6	Performance	The Dashboard should load quickly and respond to user interactions without significant lag.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboards should be interactive, allowing users to drill down into data, filter results, and highlight specific trends with minimal effort.
NFR-2	Security	If different user groups have varying levels of access to the data, the Tableau Server/Cloud permissions should be configured to enforce these rules.
NFR-3	Reliability	The system should gracefully handle potential data errors or missing values, preventing them from breaking the visualizations.

NFR-4	Performance	Dashboards should load quickly, ideally within a few seconds, even with a large dataset of food choices.
NFR-5	Availability	The Tableau dashboards and underlying data sources must be accessible to users whenever needed, ideally with 24/7 uptime, to support informed food choices and operational planning.
NFR-6	Scalability	The system must be capable of handling increasing volumes of food choices data and a growing number of concurrent users without degrading performance, allowing for future expansion of analysis and user base.