


## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	28 June 2025
Team ID	LTVIP2025TMID50890
Project Name	Comprehensive Analysis and Dietary Strategies with Tableau: A College Food Choices Case Study
Maximum Marks	4 Marks

### 1. Brainstorming & Problem Identification

Template



## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

15 minutes to prepare  
1 hour to collaborate  
2-6 people recommended

### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

- Team gathering  
Get everyone who should participate in the session and send an invite. Share relevant information so you work ahead.
- Set the goal  
Think about the problem you'll be focusing on solving in the brainstorming session.
- Get them to use the facilitation tools  
Use the Facilitator Superpowers to run a happy and productive session.

Open actions

### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes


Problem

How might we [your problem statement]?

### Key rules of brainstorming

To run a smooth and productive session

- Stay on topic
- Encourage wild ideas
- Defer judgment
- Listen to others
- Go for volume
- If possible, be visual



Need some inspiration?

See a list of ideas at the bottom of the session or in the session work.

View example

1

## Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Tip

You can select a sticky note and make the entire board as sticky notes to keep moving.

Person 1

Mohan Krishna

Person 2

M Naggassrii

Person 3

Lingala Rajesh

Person 4

Lalith Sai Nadih Ganta

2

## Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

Tip

Ask a collaborator app to come in handy to make a table to store ideas, organize and categorize, visualize ideas up, makes others your work.

### 2.1 Context and Motivation

In modern academic environments, the dietary habits of college students have a significant influence on their physical well-being, mental health, and academic performance. With busy schedules, inconsistent meal patterns, and limited nutritional awareness, students often fall into unhealthy eating routines. This challenge presents an opportunity for data-driven intervention.

### 2.2 Problem Statement

"How can we leverage data visualization tools to monitor, understand, and improve the dietary choices of college students?"

### 2.3 Project Vision

The project aims to build a comprehensive, interactive dashboard using Tableau, integrated into a Flask-based web platform. This system will visualize complex dietary datasets and help universities:

### 2.4 Brainstorming Questions

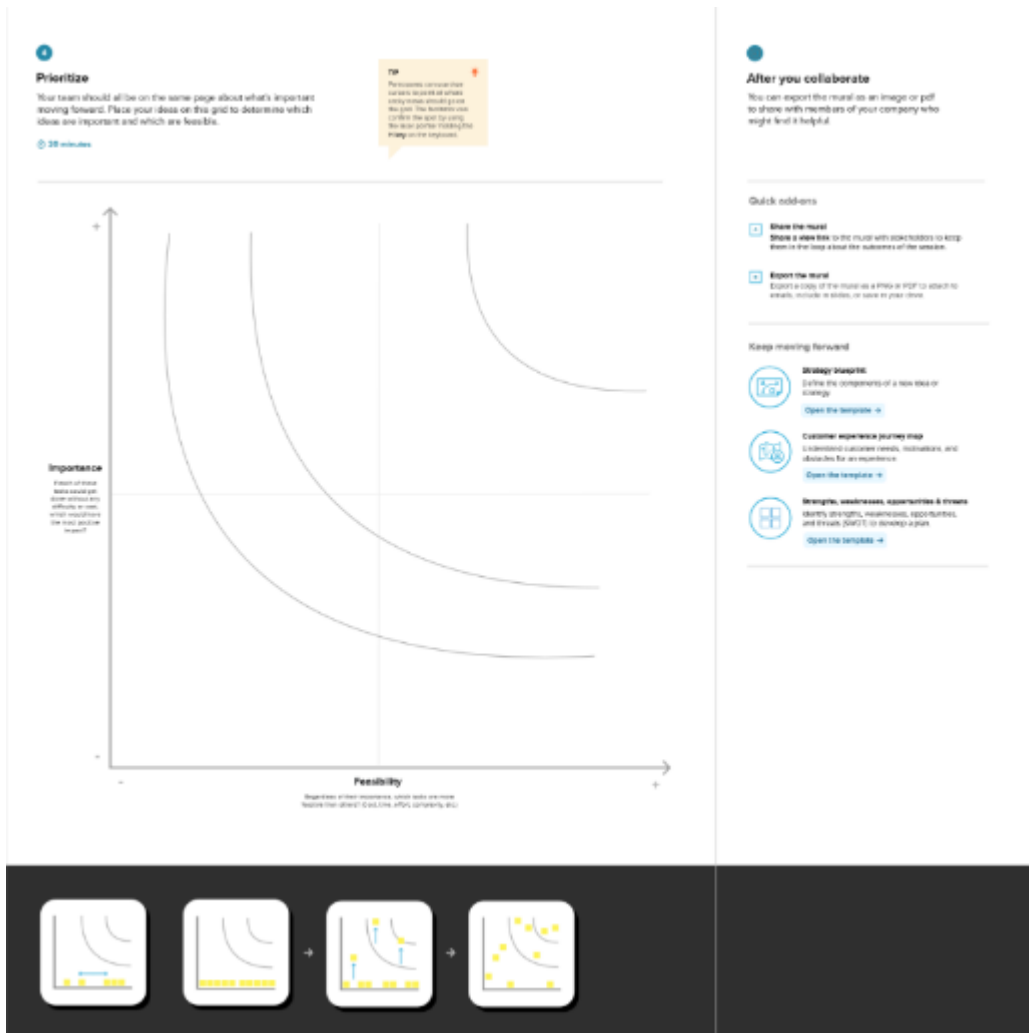
During ideation, the following guiding questions shaped the analytical and technical scope of the project:

- What dietary patterns can be identified across student demographics?
- How do lifestyle habits (e.g., cooking, exercise, sleep) correlate with GPA and self-perceived health?
- Can real-time data visualization help in early identification of health issues?
- How can data be used to encourage healthier eating habits institution-wide?

### 2.5 Tool Selection Rationale

- **Tableau:** For its powerful data visualization, ease of data preparation, and dynamic dashboard creation.
- **Flask:** To create a lightweight yet flexible web interface for hosting the dashboards.
- **CSV Dataset:** A structured and easily readable format for dietary, behavioral, and demographic data.





## 1.1 Context and Motivation

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## 1.2 Problem Statement

*"How can we leverage data visualization tools to monitor, understand, and improve the dietary choices of college students?"*

## 1.3 Project Vision

The project aims to build a comprehensive, interactive dashboard using Tableau, integrated into a Flask-based web platform. This system will visualize complex dietary datasets and help universities:

- Monitor nutrition and health trends in real-time
  - Identify unhealthy eating patterns or deficiencies
  - Enable predictive planning and personalized interventions
  - Support awareness programs and informed resource allocation
- 

### 1.4 Brainstorming Questions

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