

Project Planning Phase: Flavour Fusion

Date: 01 February 2026

Team ID: LTVIP2026TMIDS34335

Project Name: Flavour Fusion: AI-Driven Recipe Blogging

Maximum Marks: 5 Marks

1. Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Core AI Engine	USN-1	As a user, I can input a food topic to generate a full recipe blog post via Gemini 2.5 Flash.	5	High	Prerna
Sprint-1	Security	USN-2	As a developer, I can secure API keys using .env and st.secrets to prevent leaks.	3	High	Prerna
Sprint-1	UX/UI	USN-3	As a user, I can see a "Programmer Joke" while the content is being generated.	2	Medium	Ramanam, Gurajala
Sprint-2	Export Utilities	USN-4	As a blogger, I can download the generated recipe as a PDF file for offline use.	3	High	Prerna
Sprint-2	Auth & Database	USN-5	As a user, I can log in and save my favorite recipes to my personal dashboard.	5	Medium	Ramanam, Dasari
Sprint-3	Deployment	USN-6	As a developer, I can deploy the app to Streamlit Cloud and manage large assets via Git.	3	High	Prerna

2. Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Start Date	End Date (Planned)	Points Completed	Release Date (Actual)
Sprint-1	10	6 Days	01 Feb 2026	06 Feb 2026	10	06 Feb 2026
Sprint-2	8	6 Days	08 Feb 2026	13 Feb 2026	8	13 Feb 2026
Sprint-3	3	4 Days	15 Feb 2026	18 Feb 2026	3	19 Feb 2026

3. Velocity Calculation

Scenario: 10-day sprint duration with a velocity of 20 points.

Formula:

$$AverageVelocity(AV) = \frac{\text{Total Story Points}}{\text{Total Days}}$$

Calculation:

$$AV = \frac{20 \text{ points}}{10 \text{ days}} = 2 \text{ points per day}$$

Team's Performed Velocity (Flavour Fusion):

Based on our project data:

Total Points: 21

Total Days: 16

Actual Velocity: 1.31 points per day