

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID53022
Project Name	Project – Nutritional Tracker Assistant
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-1	Login	USN-3	As a user, I can login and access my dashboard and calorie counter page.	2	High	
Sprint-2	Add food consumed	USN-4	As a user, I can add a food I have consumed.	2	High	
Sprint-2	Add more food throughout the day	USN-5	As a user, I can add as many food items whenever I need to do so.	1	Medium	
Sprint-2	Dashboard	USN-6	As a user, I can view my dashboard to see my consumption for the day, the limits of that day, and whether I have exceeded it.	3	High	
Sprint-3	Not logging any foods for a couple of days	USN-7	As a user, if I have been inactive for two days or more, I should be reminded with an email.	2	Low	
Sprint-3	Rewards and Goals	USN-8	As a user, I should be able to receive rewards and be able to share them to motivate me.	2	Medium	
Sprint-3	Blog and Articles	USN-9	As a user, I must be able to read articles and blogs written by experts on the topic.	2	Low	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Monthly Consumption Comparison	USN-10	At any time after at least two months of usage, I should be able to view the comparison of each month, and how my intake has varied.	3	Medium	
Sprint-4	Social media link and upload facilities	USN-11	As a user, I must be easily able to access and post to the social media of my choice whenever I want to do so.	3	Medium	
Sprint-4	Usage of ClarifAI to automatically detect and count calories	USN-12	As a user, I must be able to upload a picture of what I eat and have the calories verified and added by an AI bot.	3	High	

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	06	6 Days	24 Oct 2022	29 Oct 2022	06	- (Meet Planned Date)
Sprint-2	06	6 Days	31 Oct 2022	05 Nov 2022	07	- (Meet Planned Date)
Sprint-3	08	6 Days	07 Nov 2022	12 Nov 2022	08	- (Meet Planned Date)
Sprint-4	09	6 Days	14 Nov 2022	19 Nov 2022	09	- (Meet Planned Date)

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Average Velocity: sprint duration / velocity = 06 / 06 = 1

Story points per day: 1

Burndown Effort Estimate:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Sprint	1	2	3	4
Effort remaining	80	60	30	0