

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID35969
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
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	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.	High	Team Lead, Team Member 4
		USN - 2	As a user, I will receive confirmation email once I have registered for the application	High	Team Member 2, Team Member 3
		USN - 3	As a user, I can register for the application through Facebook	Low	Team Member 1, Team Lead
		USN - 4	As a user, I can register for the application through Gmail	Medium	Team Member 3, Team Member 2
Sprint 2	Login	USN - 5	As a user, I can log into the application by entering email & password	High	Team Member 1, Team Lead
	Dashboard	USN - 6	As a user, I can view my profile and update my details	Medium	Team Member 4, Team Lead

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members
		USN - 7	As a user, I can view my personal calorie calendar	High	Team Member 1, Team Member 2
		USN - 8	As a user, I can change my password	High	Team Member 3, Team Member 2
Sprint 3	Image Capturing	USN - 9	As a user, I can capture images of the ingredients I consume	High	Team Member 1, Team Member 4
	Image Processing	USN - 10	In the application, the captured images are processed to label constituent ingredients	High	Team Member 2, Team Member 3
	Data Storage	USN - 11	In the application, the calorie value of different food items are stored using a database	High	Team Leader, Team Member 3
	Calorie Value Computation	USN - 12	As a user, I am informed of the calorie value of the ingredients used	High	Team Leader, Team member 1
Sprint 4	Data Storage	USN - 13	As a user, the details of the calories I've consumed over the course of a day are stored.	High	Team Member 1, Team Lead
	Calorie-Over Consumption Notification	USN - 14	As a user, I am notified if I cross the daily recommended value of calories for a day	High	Team Member 3, Team Member 2
	Diet Plan Specification	USN - 15	As a user, I can specify my target based on which I receive personalized diet plans	High	Team Member 2, Team Member 4

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

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)

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