

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53656
Project Name	Project - Nutrition assistant Application
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.	10	High	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-1		USN-3	As a user, I can register for the application through Gmail	5	Medium	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	10	High	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-3	Collecting personal details	USN-5	As a user, I can provide a personal information for processing	10	High	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-3	Upload Image	USN-6	As a user, I can upload an image for the processing of food.	10	High	Sriman Narayan M Sahithyan S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Srivanth A Tharani Balan SK
Sprint-3	Nutritional value of Report	CLD-1	In cloud the food image is processed and provides the nutritional value of food.	10	Medium	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK
Sprint-4	Nutritional Food Diet Report	CLD-2	In cloud the food diet plan based on nutritional value is generated based on the personal information provided by the user	20	High	Sriman Narayan M Sahithyan S Srivanth A Tharani Balan SK

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:

Sprint duration = 6 days

Velocity of team = 20 points

$$\text{Average Velocity (AV)} = \frac{\text{Velocity}}{\text{Sprint duration}}$$

$$= 20/6$$

$$= 3.333$$

THEREFORE, AVERAGE VELOCITY = 3.333

Burndown Chart:

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.

	Initial Estimate	24-10-22	25-10-22	26-10-22	27-10-22	28-10-22	29-10-22
Sprint Number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint 1	20	0	10	5	3	1	1
Sprint 2	20	3	8	4	2	1	2
Sprint 3	20	5	4	4	5	2	0
Sprint 4	20	8	3	3	3	2	1
Remaining Effort	80	64	39	23	10	4	0
ideal Effort	80	58	40	30	9	8	0

