

Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID12711
Project Name	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.	2	High	Sumeka A Kiruba Nandhini T Jeevitha R Mathu Nega G
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sumeka A Kiruba Nandhini T Jeevitha R Mathu Nega G
Sprint-1	Login	USN-3	As a user, I can login into the app	1	High	Sumeka A Kiruba Nandhini T Jeevitha R Mathu Nega G
Sprint-2	User details	USN-4	As a user, I can enter the related details	2	High	Sumeka A Kiruba Nandhini T Jeevitha R Mathu Nega G
Sprint-3		USN-5	As a user, I can search for some nutrition food	1	Medium	Sumeka A Kiruba Nandhini T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Jeevitha R Mathu Nega G
Sprint-4	Diet chart	USN-6	As a user, I can get guide for my diet plan	1	High	Sumeka A Kiruba Nandhini T Jeevitha R Mathu Nega G

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)

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

$$AV = \frac{20}{6} \approx 4$$

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.

Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	1	8	6	4	1	0
Sprint-2	20	4	8	2	3	2	1
Sprint-3	20	3	6	6	5	0	0
Sprint-4	20	4	4	4	4	2	2
remaining effort	80	68	42	24	8	3	0
ideal effort	80	66.66667	53.33333	40	26.66667	13.33333	0

BURNTDOWN CHART



