

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID51683
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.	2	High	ABINA S DIVINE LOVE PRISCILLA J ANGELIN ABI M JEMI J L
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	ABINA S DIVINE LOVE PRISCILLA J ANGELIN ABI M JEMI J L
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	ABINA S DIVINE LOVE PRISCILLA J ANGELIN ABI M JEMI J L

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	User details	USN-4	As a user, I can fill the Details.	2	High	ABINA S DIVINE LOVE PRISCILLA J ANGELIN ABI M JEMI J L
Sprint-3	Push notification	USN-5	As a user, I will search the food items	2	Medium	ABINA S DIVINE LOVE PRISCILLA J ANGELIN ABI M JEMI J L
Spirit-4	Shown the nutrition details and Recipe for scanned food	USN-6	As a user, I can scan the food an get the nutrition details and recipe for related scanned food	1	High	ABINA S DIVINE LOVE PRISCILLA J

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

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 = Story points per day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprints

$$AV = \frac{20}{5} = 4$$

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT

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-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
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	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
Remaining effort	80	70	42	25	13	8	0
Ideal effort	<u>80</u>	<u>66.66666667</u>	<u>53.33333333</u>	<u>40</u>	<u>26.66666667</u>	<u>13.33333333</u>	<u>0</u>

BurntDown Chart

