

Project Planning Phase

Date	16 November 2022
Team ID	PNT2022TMID34631
Project Name	Nutrition Assistant Application
Maximum Marks	8 marks

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

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	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D
Sprint-1	User details	USN-3	As a user, I can log into the application by entering email & password.	1	High	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D
Sprint-2	Login	USN-4	As a user, I can fill the Details.	2	High	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D
Sprint-3	Push notification	USN-5	As a user, I can fill the Details.	2	Medium	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D
Sprint-4	Shown the nutrition Recipe for scanned food	USN-6	As a user, I can scan the food and get the nutrition details and recipe for related scanned	1	High	Farlin Deva Binusha D M Ashika P Archa H Antanin Ginista D

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						
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	80	66.66666667	53.33333333	40	26.66666667	13.33333333	0

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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{10} = 2$$

BurntDown Chart

