

Project Planning Phase

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

Date	04 November 2022
Team ID	PNT2022TMID43019
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	prerequisites for model building	USN-0	As a developer I have to collect the different type of data possible and other data supporting the model	2	High	Thilagavathy Birundha
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	Thilagavathy Krishnaveni
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Birundha Krishnaveni
Sprint-1	Gmail Registration	USN-3	As a user, I can register for the application through Gmail	2	Low	Thilagavathy krishnaveni
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Birundha Manogaran
Sprint-2	Suggestion	USN-5	As a user now I can make recommendations such as nutrition plans, diet plans etc..	1	Low	Krishnaveni Manogaran
Sprint-2	Model building	USN-6	Development of the model with the prepared data	2	High	Thilagavathy Manogaran
Sprint-2	Main interface	USN-7	As a user i can view my calories by uploading the photo of the food that I want to eat	2	High	Krishnaveni Birundha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Diet plan for free users	USN-9	As a dietician I provide a diet plans for the betterment of the user	2	Medium	Krishnaveni Birundha
Sprint-3	Diet plans for Premium users	USN-10	As a premium user, I can choose to follow the diet plan based on my food habits	1	Medium	Manogaran Thilagavathy
Sprint-3	User image analysis	USN-11	As a user, I can track my calories intake and know about my food in detail	2	High	Krishnaveni Thilagavathy
Sprint-3	Improve the efficiency of AI model	USN-12	As a developer, I can give the better model that analyse the food and provide the accurate result	2	Medium	Birundha Manogaran
Sprint-4	Diet tips and basic plan	USN-14	As a user now I can make recommendations such as nutrition plans,diet plans etc..	1	Medium	Thilagavathy Krishnaveni
Sprint-4	Payment	USN-15	Develop the payment gateway options for premium users	2	High	Birundha Thilagavathy
Sprint-4	Dashboard	UNS-16	The details will provided via nutrition AP	2	High	Manogaran Krishnaveni Thilagavathy Birundha

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	07\11\2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	10\11\2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14\11\2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

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)

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

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.