

Project Planning Phase

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

Date	14 November 2022
Team ID	PNT2022TMID46444
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	
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	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-1	Gmail Registration	USN-3	As a user, I can register for the application through Gmail	2	Low	
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	
Sprint-2	Suggestion	USN-5	As a user now I can make recommendations such as nutrition plans,diet plans etc..	1	Low	
Sprint-2	Model building	USN-6	Development of the model with the prepared data	2	High	
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	

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	J	
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	
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	
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	
Sprint-3	User analysis record	USN-13	As a user, I can check the records of the food habits	1	Medium	
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	
Sprint-4	Payment	USN-15	Develop the payment gateway options for premium users	2	High	
Sprint-4	Dashboard	UNS-16	The details will provided via nutrition AP	2	High	

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	5 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)

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

Sprint	Total story points	Duration	Average Velocity
Sprint 1	20	6 Days	20 / 6 = 3.33
Sprint 2	20	6 Days	20 / 6 = 3.33
Sprint 3	20	6 Days	20 / 6 = 3.33
Sprint 4	20	6 Days	20 / 6 = 3.33
Total	80	24 Days	80 / 24 = 3.33