

Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID16818
Project Name	Project - AI-Powered Nutrition Analyzer for Fitness Enthusiasts
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	Pre-requisites for Model Building	USN-0	As a developer I have to collect 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	2	High	
Sprint-2		USN-3	As a user, I can register for the application through social media (Fb, Insta, twitter)	1	Low	
Sprint-1		USN-4	As a user, I can register for the application through Gmail	1	Medium	
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	
Sprint-2	Model Building	USN-6	Development of the model with the prepared data set	2	High	
Sprint-2	Main Interface	USN-7	As a user I can view my calorie intake by clicking photo of the food I eat	2	High	
Sprint-2	Package, Dashboard	USN-8	As a user I can choose variety of packages based on my requirement	2	Medium	

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 dietitian I provide daily plans for the betterment of the user	2	High	
Sprint-3	Personalized user food habit-based diet plan for premium users	USN-10	As a Premium User, I can choose to follow diet plan based on my food habits or the generalized one	1	Medium	
Sprint -2	User image Analysis	USN-11	As a user I can track my calorie intake, and know about my food in detail.	2	High	
S-3	Improve efficiency of AI model	-	As a developer I have to give a better model that will analyse food precisely and provide accurate results			
Sprint-2	User Analysis record	USN-12	As a user, I can check the previous records and I can analyse my food habits	1	Medium	
S-4	Fitness tips and basic exercises	USN-13	As a user I can follow some fitness tips and I can maintain weight as required	2	Medium	
S-4	Home remedies	USN-14	As a user I can follow some natural home remedies for common diseases like (cold, cough, fever) and treat myself	2	High	
S-4	Optimize the user experience with the app	USN-15	As a developer I have to provide clean and smooth interface to my user	2	High	
S-4	Payment Gateway for purchasing package	USN-16	As a developer I have to create an environment which makes user feel ease to complete his/her Payments with various Payment options	1	Medium	

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story points completed	Sprint Release Date
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	23	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	26	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	11	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	18	17 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration ,and the velocity of the team is 20 (points per sprint).Lets calculate the team's average velocity (AV)

Per iteration unit(story points per day)

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