

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMD46130
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2	Nutrition Analyzer	USN-5	As a user, I can view the nutrition level of the fruit by scanning the fruit	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2		USN-6	As a user, I can able to calculate the nutritional value of the different fruits at the same time	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a user, I can able to view fruits (input data) details by related web site	1	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4	Customer Support	USN-8	As a customer care executive, I can view the complaints on chat box	1	Medium	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4		USN-9	As a customer, I should be able solve and reply for the customers queries	1	Low	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-4		USN-10	As a customer, I can close the complaint after assisting	1	Low	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-3		USN-11	As a Administrator, I would take care of registrations and maintenance of accounts	2	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R
Sprint-2		USN-12	As a Administrator, I Would resolve issues on Access	1	High	Krishnasamy R, Sakthivel S, Sathishkumar S, Shaheen Ahmad S, Ranjith R

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

