

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID44856
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.	3	High	Aakash.N,
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Keerthana D.M
Sprint-2		USN-3	As a user, I can register for the application through a mobile number.	2	High	Vindhya.M
Sprint-2		USN-4	As a user, I can register for the application through OTP.	1	High	Ram Chandhar.SA
Sprint-4		USN-5	As a user, I can register for the application through my Facebook account.	2	Medium	Keerthana D.M
Sprint-4	Login	USN-6	As a user, I can register for the application through my Facebook account.	2	Medium	Chelci Jisha
Sprint-2		USN-7	As a user, I can log into the application by entering mobile number & and password.	3	High	Chelci Jisha
Sprint-4		USN-8	As a user, I can log into the application using my Email account & password.	3	High	Ram Chandhar.SA
Sprint-1	Dashboard	USN-9	As a user, I can view my primary usage requirements.	3	High	Vindhya.M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-10	As a user, I can get the nearest gym or nutritionist information & contacts.	5	Low	Aakash.N
Sprint-4		USN-11	As a user, I can receive a multitude of other user statistics through facebook friends.	3	Low	Keerthana.D. M
Sprint-3		USN-12	As a user, I can view my tracking meters in other aspects.	2	Medium	Ram Chandhar.SA
Sprint-1	Food Identifier	USN-13	As a user, I capture an image using my files or camera.	8	High	Aakash.N
Sprint-2	Calorie Tracker	USN-14	As a user, I can either enter the food intake manually or either through camera image capturing 5x daily.	2	Medium	Vindhya.M
Sprint-4	Workout Plan	USN-15	As a user, I can choose my workout type as with/without equipment & track them on a daily or weekly basis.	5	Medium	Chelci Jisha
Sprint-2	Chatbox	USN-16	As a user, I can approach the chatbot for usage related queries	3	Medium	Ram Chandhar S.A
Sprint-1	Database maintenance	USN-17	As an administrator, I can handle all the user information & image datasets captured by the AI model.	8	High	Keerthana.D. M
Sprint-1	Customer Service	USN-18	As an administrator, I can answer all the user queries & solve customer issues with the application.	3	Medium	Aakash.N
Sprint-3	Feature Maintenance	USN-19	As an administrator , I can upgrade features & enhance usability of the user.	2	Medium	Vindhya.M
Sprint-4		USN-20	As an administrator, I can debug feature bugs & increase smoothness of the application.	3	Medium	Keerthana.D. M

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2002
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 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>