

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMI18149
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration and login	USN-1	As a user, I can register for the application by entering a unique user id, password, and confirming my password.	8	High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-1	Main page, About Page	USN-2	Home page, About page. Navigate through the application easily (easy user experience and interface).	7	High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-1	Logout	USN-5	As a user, I can logout from the application	5	High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Prediction	USN-3	As a user, I can upload pictures from the camera and also from the device.		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Anonymous Usage	USN-4	As a user, I can access the application without signing in.		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D

Sprint-2	Searching fruits data manually	USN-6	As a user, I can access information (nutritional Content) about other fruits also in the application.		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
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Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Motivational quotes suggestion	USN-7	As a user, I get daily motivational quotes.		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Searching	USN-8	As a user, I can get suggestion of fruits based on season and health condition		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Dashboard	USN-11	As a User I can view the nutritional content of food taken for an day		Low	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Report page	USN-12	As a User I can report any issues through report page		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-2	Dashboard	USN-14	As a User I can View the issues and reports done by common users and the administrator		High	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D

Sprint-3	Monitoring	USN-10	As a user, I can monitor my daily water intake as per my body weight, and get periodic reminders.		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-3	Health details management	USN-9	As a user , I can manage my health condition details like diabetic details through accessing the health management page		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-3	Installable PWA	USN-13	PWA for mobile users		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-3	Dashboard	USN-15	As a Administrator I can view and manage users, contents		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Feedback page	USN-16	As a User I can give Feedback.		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-3	BMI update page	USN-17	As a User I can update and view my BMI		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D

Sprint-3	Storing Data	USN-20	As a user, i can store the data which are used to predict the health conditions		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-4	Security Check	USN-18	As a administrator I need to confirm that the users data are in secure format		Medium	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D
Sprint-4	Grouping Users	USN-19	As a user, i can join or enroll in a group to get specialized content		Low	NISHOK.R R ANUPAMA.A SUDAGRA.S ANIL PATEL.D

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)

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

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.

<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>