

Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID17093
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	TeamMembers
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.		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-1	Main page, About Page	USN-2	Home page, About page. Navigate through the application easily (easy user experience and interface).		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-1	Logout	USN-5	As a user, I can logout from the application		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Prediction	USN-3	As a user, I can upload pictures from the camera and also from the device.		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Anonymous Usage	USN-4	As a user, I can access the application without signing in.		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH

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	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
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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	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Searching	USN-8	As a user, I can get suggestion of fruits based on season and health condition		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Dashboard	USN-11	As a User I can view the nutritional content of food taken for an day		Low	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Report page	USN-12	As a User I can report any issues through report page		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-2	Dashboard	USN-14	As a User I can View the issues and reports done by common users and the administrator		High	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
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	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
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	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH

Sprint-3	Installable PWA	USN-13	PWA for mobile users		Medium	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-3	Dashboard	USN-15	As a Administrator I can view and manage users, contents		Medium	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH

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	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-3	BMI update page	USN-17	As a User I can update and view my BMI		Medium	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-3	Storing Data	USN-20	As a user, i can store the data which are used to predict the health conditions		Medium	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-4	Security Check	USN-18	As a administrator I need to confirm that the users data are in secure format		Medium	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH
Sprint-4	Grouping Users	USN-19	As a user, i can join or enroll in a group to get specialized content		Low	PRAVEEN RAJ SARAVANAN SARAN SANTHOSH

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	20	6 Days	30 Oct 2022	04 Nov 2022
Sprint-2	20	6 Days	04 Nov 2022	09 Nov 2022
Sprint-3	20	6 Days	09 Nov 2022	14 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.

