

Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID28271
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.		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-1	Main page, About Page	USN-2	Home page, About page. Navigate through the application easily (easy user experience and interface).		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-1	Logout	USN-5	As a user, I can logout from the application		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Prediction	USN-3	As a user, I can upload pictures from the camera and also from the device.		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Anonymous Usage	USN-4	As a user, I can access the application without signing in.		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
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	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S

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	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Searching	USN-8	As a user, I can get suggestion of fruits based on season and health condition		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Dashboard	USN-11	As a User I can view the nutritional content of food taken for an day		Low	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Report page	USN-12	As a User I can report any issues through report page		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-2	Dashboard	USN-14	As a User I can View the issues and reports done by common users and the administrator		High	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
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	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
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	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-3	Installable PWA	USN-13	PWA for mobile users		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-3	Dashboard	USN-15	As a Administrator I can view and manage users, contents		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S

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Sprint-3	Feedback page	USN-16	As a User I can give Feedback.		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-3	BMI update page	USN-17	As a User I can update and view my BMI		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-3	Storing Data	USN-20	As a user, i can store the data which are used to predict the health conditions		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-4	Security Check	USN-18	As a administrator I need to confirm that the users data are in secure format		Medium	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S
Sprint-4	Grouping Users	USN-19	As a user, i can join or enroll in a group to get specialized content		Low	Madhu Mitha R Kandula Venkata Bhargavi Prathipati Varsha Nithya Ashika S

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	20	6 Days	24 Oct 2022	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.

