

Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID35762
Project Name	DEMANDEST – AI POWERED FOOD DEMAND FORECASTER
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 create an account by entering my username and password.	6	High	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint -1		USN-2	As a registered user, I can enter my email address and password in order to access the application.	6	High	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint -1		USN-3	As a registered user, I can explore a number of options on the Home page.	8	Medium	Sanjay Kumar S Dhanush T Dhanushri R Monisha C

Sprint - 2	Prediction	USN-4	As a registered user, I can make predictions on the website.	13	High	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint - 2		USN-5	As a registered user, I make use of many discounts available.	7	Medium	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint - 3	Survey	USN-6	As an administrator, I conduct surveys to track food demand periodically.	20	High	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint - 4	Inventory/Menu Management	USN-7	As an administrator, I should be able to alter or delete food items on menu.	15	Medium	Sanjay Kumar S Dhanush T Dhanushri R Monisha C
Sprint - 4		USN-8	As an administrator, I can maintain the user's details.	5	Medium	Sanjay Kumar S Dhanush T Dhanushri R Monisha C

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	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

$$AV = \text{SPRINT DURATION} / \text{VELOCITY} = 20/10 = 2$$

$$AV (\text{Sprint 1}) = 20/6 = 3.33$$

$$AV (\text{Sprint 2}) = 20/6 = 3.33$$

$$AV (\text{Sprint 3}) = 20/6 = 3.33$$

$$AV (\text{Sprint 4}) = 20/6 = 3.33$$

Burndown Chart:

A burndown 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.



