

Project Planning Phase

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

Date	29 October 2022
Team ID	Team - 591011
Project Name	Snack Squad: A Customizable Snack Ordering and Delivery app
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
Sprint-1	Snack Ordering	USN-1	As a customer, I want to browse snacks	3	High
Sprint-1	Snack Customization	USN-2	As a customer, I want to customize my order	5	High
Sprint-1	Payment Processing	USN-3	As a customer, I want to pay for my order	3	High
Sprint-1	Order Tracking	USN-4	As a customer, I want to track my order	3	High
Sprint-2	Rating and Reviews	USN-5	As a customer, I want to rate snacks	2	Medium
Sprint-2	Snack Listing	USN-6	As a snack provider, I want to list snacks	5	High
Sprint-2	Order Management	USN-7	As a snack provider, I want to manage orders	5	High
Sprint-2	Real-time Notifications	USN-8	As a snack provider, I want real-time order notifications	3	Medium

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	19	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	22	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2023
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	19	12 Nov 2023
Sprint-4	21	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2023

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.

