

Project Planning Phase

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

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Date	15 February 2025
Team ID	LTVIP2025TMID56607
Project Name	ShopSmart: Your Digital Grocery Store
Maximum Marks	5 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	User Account & Onboarding	USN-1	As a new customer, I can sign up for an account using my email and password.	2	High	Adithya
Sprint-1	Product Discovery	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Hareesh
Sprint-2	Shopping Cart	USN-3	As a customer, I can add a product to my shopping cart from the product list page.	2	Low	Santosh
Sprint-2	Product Discovery	USN-4	As a customer, I can view detailed information about a product, including price,	2	Medium	Madhav

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			description, and image.			
Sprint-3	Check Out Process	USN-5	As a customer, I can enter my delivery address.	1	High	Arun

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	10 Days	1 June 2025	10 June 2025	20	29 Oct 2022
Sprint-2	17	10 Days	10 June 2025	20 June 2025		
Sprint-3	18	10 Days	20 June 2025	30 Nov 2025		

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.

<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>