

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

Date	03 November 2022
Team ID	PNT2022TMID04841
Project Name	Inventory Management System for Retailers

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 register for the application by entering my email, password, and confirming my Password or by entering phone number and confirming by otp	2	High	Paulson, Pradeev
Sprint-1		USN-2	As a user, I can register for the application through E-mail or phone number	1	Medium	Ponnazhagan, Poorvaja
Sprint-1	Confirmation	USN-3	As a user, I will receive confirmation email or otp once I have registered for the application	1	Medium	Pradeev, Poorvaja

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password or using phone number and otp.	2	High	Ponnazhagan, Paulson
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	4	High	Ponnazhagan, Pradeev
Sprint-3	Stock Update	USN-7	Once the product reaches the threshold level as a user ,I will be getting the notification to reorder the stock.	5	High	Paulson, Poorvaja
Sprint-4	Expiry update	USN-8	As a user, I will be notified about the expiry date of the products	5	High	Paulson, Pradeev

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	7	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		

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	6	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

$$AV=20/6 =3.33$$

Progress-Burndown chart

