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

Date	18 October 2022
Team ID	PNT2022TMID12626
Project Name	Inventory Management System For Retailers
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 register for the application by entering my username, password, and email.	20	High	Harini S Jayasree B S Nivedha K Selva Keerthana B G
Sprint-2	Login	USN-2	As a user, I can log into the application by entering username & password	10	High	Harini S Jayasree B S Nivedha K Selva Keerthana B G
Sprint-3	Add and delete inventory	USN-3	As a user, I can enter the details of the stocks	20	High	Harini S Jayasree B S Nivedha K Selva Keerthana B G
Sprint-4	Update inventory	USN-4	As a user, I can update the stock details	10	High	Harini S Jayasree B S Nivedha K Selva Keerthana B G
Sprint-4	Alert email	USN-5	As a user, I'll receive email notifications when the stock is low.	10	Medium	Harini S Jayasree B S Nivedha K Selva Keerthana B G
Sprint-2	Logout	USN-6	User can log out	10	High	Harini S Jayasree B S Nivedha K Selva Keerthana B G

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	6	29 Oct 2022

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-2	20	6 Days	31 Oct 2022	05 Nov 2022	4	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	9	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	4	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)

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

Burndown Chart: