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

Date	18 October 2022
Team ID	PNT2022TMID53370
Project Name	Project – 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 email, password, and confirming my password.	5	High	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-1		USN-2	As a user, I can register for the application through Gmail	5	High	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-1	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.

Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	10	High	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-2	Stocks update	USN-6	As a user, I can add the products which are not available in the inventory and the restock the products to make them available	10	Medium	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Sales prediction	USN-7	As a user, I can be able to get access to sales report to predict the which product runs out of stocks fast . so it helps me to predict the restock of product	20	High	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-4	Customer care	USN-8	As a user, I am able to get in touch with customer care to enquire the doubts and problems I have faced	10	Medium	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.
Sprint-4	Feedback	USN-9	As a user, I am able to send feedback forms to resolve issues and improve the system.	10	Medium	Pradeep Kumar R, Keerthana Sri S, Lakshman G, Lakshmi Gayathri S.

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	05 Nov 2022	20	19 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	16 Nov 2022

| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 16 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)

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

Sprint 1: 3.33

Sprint 2: 3.33

Sprint 3: 3.33

Sprint 4: 3.33