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

Date	31 October 2022
Team ID	PNT2022TMID34001
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	User Panel	USN-1	The user will login and view the services available. Thia also include registering for the application by entering the required details.	20	High	Gishalin Rufina, Alice, Arshitha Sherin, Hanan
Sprint-2	Admin Panel	USN-2	The role of the admin is to check out the database on the availability and have further maintanence required on the system.	20	High	Gishalin Rufina, Alice, Arshitha Sherin, Hanan
Sprint-3	Chatbot	USN-3	The retailer can easily get the required details through the chatbot.	20	High	Gishalin Rufina, Alice, Arshitha Sherin, Hanan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Final Delivery	USN-4	Container of application using docker Kubernetes and deployment of the application. Create the documentation and final submit of the application	20	High	Gishalin Rufina, Alice, Arshitha Sherin, Hanan

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

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