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

Date	22 October 2022
Team ID	PNT2022TMID30591
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 email, password, and confirming my password.	5	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-3		USN-4	As a user, I can register for the application.	8	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P

Sprint	Category	USN	Description		Priority	Team
Sprint-2		USN-6	As a user, I should be able to change password whenever I prefer.	2	Medium	SNEKA G RAGAVI R
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	2	Medium	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-2		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	3	Medium	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-2		USN-9	As a retailer, I should get alert on stockshortage or unavailability.	5	Medium	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-4		USN-2	Termination user accounts temporarily or per manently if needed.	5	Low	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P
Sprint-2	Feedback	USN-1	As a customer care team member, I should to get feedback from the users.	2	High	SNEKA G RAGAVI R NEHA V SUBA SRI S SINDHU P

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	11	6 Days	24 Oct 2022	29 Oct 2022	11	29 Oct 2022
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	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)

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

Our velocity should be:

$$AV = \frac{(11+7+6+7)}{24} = \frac{31}{24} = 1.29$$