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

Date	21-10-2022
Team ID	PNT2022TMID34971
Project name	Inventory management for retailers

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint 1	Login page	USN-1	As a user , I will need to login to the system using login id and password.	20	High	Manikandan Karthik
Sprint 2	Product data	USN-2	As a user, I can able to update the product details.	5	Medium	Manikandan Karthik
Sprint 2		USN-3	As a user, I can able to note the expiry date and the product rate.	10	High	Manikandan Karthik
Sprint 2		USN-4	As a user, I can able to check and maintain the product data	5	High	Manikandan Karthik
Sprint 3	Notification	USN-5	As a user, I can able to check the expiry dates of the product and manage the products	10	High	Subash Vibunesh
Sprint 3		USN-6	As a user, it's visible to me that if the product count gets down from the minimum count of the product, it will send the mail to the authority.	10	High	Subash Vibunesh
Sprint 4	Billing	USN-7	As a user, I need to check the product via the barcode	10	High	Subash Vibunesh

Sprint		USN					
			scanner				
Sprint 4		USN-8	As a user, the system can able to bill the products purchased.	10	High	Subash Vibunesh	

Project Tracker, Velocity & Burndown Chart:

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	8 days	28-10-2022	4-11-2022	20	3-11-2022
Sprint 2	20	8 days	5-11-2022	12-11-2022	20	12-11-2022
Sprint 3	20	8 days	14-11-2022	21-11-2022	20	21-11-2022
Sprint 4	20	8 days	23-11-2022	30-11-2022	20	30-11-2022

Velocity:

. Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

$$AV = Velocity / Sprint\ Duration$$
$$= 20 / 8$$
$$= 2.5$$

Burndown Chart :

X-axis - Days
Y-axis - Story Points