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

Date	18 October 2022
Team ID	PNT2022TMID12577
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	4
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	5	Medium	4
Sprint-1	Dashboard	USN-3	As a user, once logged in I can view the Stock Statistics in the Dashboard page.	10	High	4
Sprint-2	Add items to Stock	USN-4	As a User can able to add the item to stock	5	Medium	4
Sprint-2	Stock Updation	USN-5	As a user, To update the stock for check availability	5	High	4
Sprint -3	Customer Care Executive	USN-6	As a customer care executive, I can fix any issues in my application.	10	Medium	4
Sprint-4	Alert Message	USN-7	As a user, I cannot have any stock on my account can get the alert email message	10	Medium	4

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

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

Burndown Chart:

	OCT				OCT							NOV							NOV							NOV							
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
IMS-1 Creating User Interface					████████████																													
IMS-2 Create IBM Cloud Account					████████████																													
IMS-3 Install IBM Cloud CLI					████████████																													
IMS-4 Create Flask Project												████████																						
IMS-5 Create IBM DB2 and Connect with Python												████████																						
IMS-6 Docker CLI Installation												████████																						
IMS-7 Create an Account in SendGrid																			████████															
IMS-8 SendGrid Integration with Python Code																			████████															
IMS-9 Containerize the App																										████████								
IMS-10 Upload Image to IBM Container Registry																										████████								
IMS-11 Deploy in Kubernetes Cluster																										████████								