PROJECT PLANNING PHASE
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	1 NOVEMBER 2022
Team ID	PNT2022TMID02140
Project Name	Inventory Management System For Retailers
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	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.	High	Split between all 4
Sprint 1		USN-2	As a user, I will receive confirmation email once I have registered for the application	Medium	Split between all 4
Sprint 1	Login	USN-3	As a user, I can log into the application by entering email & password	High	Harish Rajaa M & Hemanathan C
Sprint 2	Items	USN-5	As a user, I can add the items.	High	Harish G.V & Hemanathan C
Sprint 2		USN-6	As a user, I can see the items	Low	Harish Rajaa M & Jagadesh P
Sprint 2	Inventory	USN-7	As a user, I can add the items to inventory.	High	Jagadesh P Harish Rajaa M Hemanathan C
Sprint 2		USN-8	As a user, I can see the items in the inventory.	Low	Hemanathan C & Harish G.V
Sprint 3	Indication	USN-9	As a user, I can be able to receive indication	High	Jagadesh P & Hemanathan C
Sprint 3	Location	USN-10	As a user, I can be able to see items from a particular store location	Medium	Harish G.V Hemanathan C Harish Rajaa M
Sprint 3		USN-11	As a user, I can add a new location of my store	Medium	Harish Rajaa M
Sprint 4	Purchase	USN -12	As a customer, I can be able to purchase good from the particular location of the store	High	Hemanathan C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members
Sprint 4	Deployment	USN-13	As a user, I can access the software in the web	High	Jagedesh 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	20	8 Days	25 Oct 2022	02 Nov 2022	20	29 Oct 2022
Sprint-2	20	8 Days	02 Nov 2022	10 Nov 2022	20	05 Nov 2022
Sprint-3	20	8 Days	10 Nov 2022	19 Nov 2022	20	15 Nov 2022
Sprint-4	20	8 Days	20 Nov 2022	29 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	Total Story Points	Duration	Average Velocity
Sprint 1	20	7 Days	20 / 7 = 2.85
Sprint 2	20	7 Days	20 / 7 = 2.85
Sprint 3	20	7 Days	20 / 7 = 2.85
Sprint 4	20	7 Days	20 / 7 = 2.85
Total	80	28	80 / 28 = 2.85

Burn down Chart:

Sprint burndown chart

> How to read this report

Sprint

IMSFR Sprint 1 ▾

Estimation field

Story points ▾

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Date - October 25th, 2022 - October 31st, 2022

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate
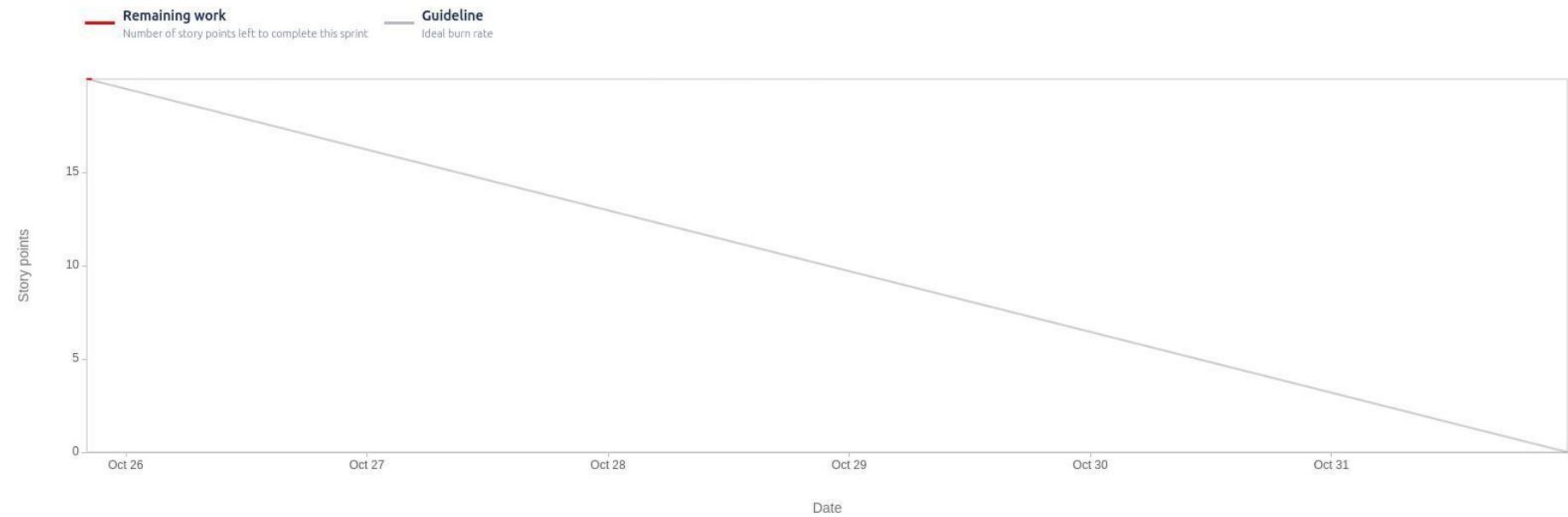
Project Planning :

	T	NOV	DEC	JAN '23	FEB '23
> ⚡ IMSFR-1 Registration		▮			
> ⚡ IMSFR-2 Login		▮			
> ⚡ IMSFR-3 Item actions		▮			
∨ ⚡ IMSFR-4 Inventory Actions		▮			
☑ IMSFR-18 task1	DONE 063-HARI...				
☑ IMSFR-21 task2	TO DO 063-HARI...				
☑ IMSFR-22 task3	TO DO 063-HARI...				
∨ ⚡ IMSFR-5 Notification		▮			
☑ IMSFR-19 task1	DONE 063-HARI...				
☑ IMSFR-23 task2	TO DO 063-HARI...				
> ⚡ IMSFR-6 Location		▮			
> ⚡ IMSFR-7 Customer		▮			
> ⚡ IMSFR-8 Deployment		▮			

Backlog

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⌄ **IMS Sprint 1** 12 Nov – 15 Nov (2 issues)   0 0 0   Complete sprint   ···
complete the task on time

📗 IMS-1 Retailer Registration   IN PROGRESS ⌄   👤

📗 IMS-2 Retailer Login   IN PROGRESS ⌄   Ⓗ

╋ Create issue

⌄ **IMS Sprint 2** 18 Nov – 22 Nov (4 issues)   0 0 0   Start sprint   ···

📗 IMS-3 Adding new items and their types   TO DO ⌄   Ⓙ

📗 IMS-4 Display item types   TO DO ⌄   Ⓗ

📗 IMS-5 Adding item to the inventory   TO DO ⌄   👤

📗 IMS-6 Display the items of the inventory   TO DO ⌄   Ⓗ

╋ Create issue

Backlog

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⌄ **IMS Sprint 3** ✏ Add dates (4 issues)   0 **0** 0   Start sprint ···

🔖 IMS-9 setting threshold of the inventory items	TO DO ⌄	👤
🔖 IMS-10 notify when threshold attained	TO DO ⌄	Ⓗ
🔖 IMS-11 add the location of the store	TO DO ⌄	Ⓗ
🔖 IMS-12 Actions based on the location of the store	TO DO ⌄	Ⓙ

+ Create issue

⌄ **IMS Sprint 4** ✏ Add dates (6 issues)   0 **0** 0   Start sprint ···

🔖 IMS-13 List all items of the store	TO DO ⌄	👤
🔖 IMS-14 Filter by the location of the store	TO DO ⌄	Ⓗ
🔖 IMS-15 make purchase of the stock	TO DO ⌄	Ⓗ
🔖 IMS-16 indicate when the purchase doesn't meet the threshold	TO DO ⌄	Ⓙ
🔖 IMS-17 create docker file and image	TO DO ⌄	Ⓗ
🔖 IMS-18 Deploy kubernetes	TO DO ⌄	Ⓗ

+ Create issue

💡 Quickstart ✕

Milestones and Activities:

Milestones	Activities
Registration	● Retailer Registration
Login	● Retailer Login
Item Actions	● Add item type ● Display item types
Inventory Actions	● Add stock to inventory ● Display stock from inventory
Notification	● Sent notification when threshold of stock reached
Location	● Add store location ● Update operations to handle location
Customer	● Able to see stocks ● Able to make purchase
Deployment	● Project deployment in IBM Cloud