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

Date	23 October 2022
Team ID	PNT2022TMID15205
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	Lakshmikant & Kiran Shrinivaas
Sprint 2	Items	USN-5	As a user, I can add the items.	High	Mukesh Varman
Sprint 2		USN-6	As a user, I can see the items	Low	Lakshmikant
Sprint 2	Inventory	USN-7	As a user, I can add the items to inventory.	High	Maheshkumar
Sprint 2		USN-8	As a user, I can see the items in the inventory.	Low	Kiran Shrinivaas
Sprint 3	Indication	USN-9	As a user, I can be able to receive indication	High	Maheshkumar
Sprint 3	Location	USN-10	As a user, I can be able to see items from a particular store location	Medium	Mukesh Varman
Sprint 3		USN-11	As a user, I can add a new location of my store	Medium	Lakshmikant
Sprint 4	Purchase	USN -12	As a customer, I can be able to purchase good from the particular location of the store	High	Kiran Shrinivaas

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	Maheshkumar

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	7 Days	24 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	7 Days	31 Oct 2022	06 Nov 2022	20	07 Nov 2022
Sprint-3	20	7 Days	07 Nov 2022	14 Nov 2022	20	14 Nov 2022
Sprint-4	20	7 Days	14 Nov 2022	21 Nov 2022	20	21 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

Burndown Chart:

Sprint burndown chart

> How to read this report

Sprint

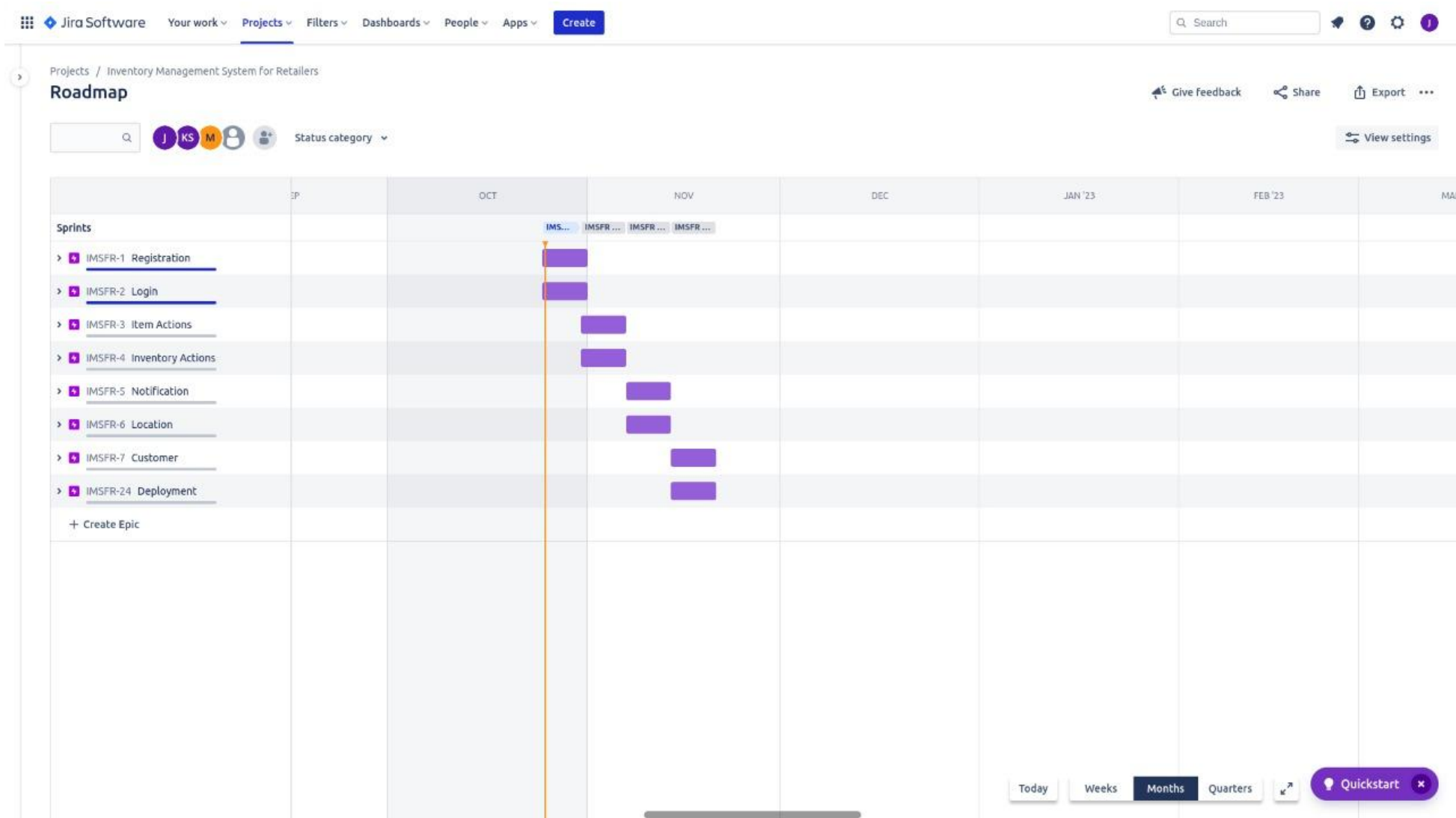IMSFR Sprint 1 ⌄

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
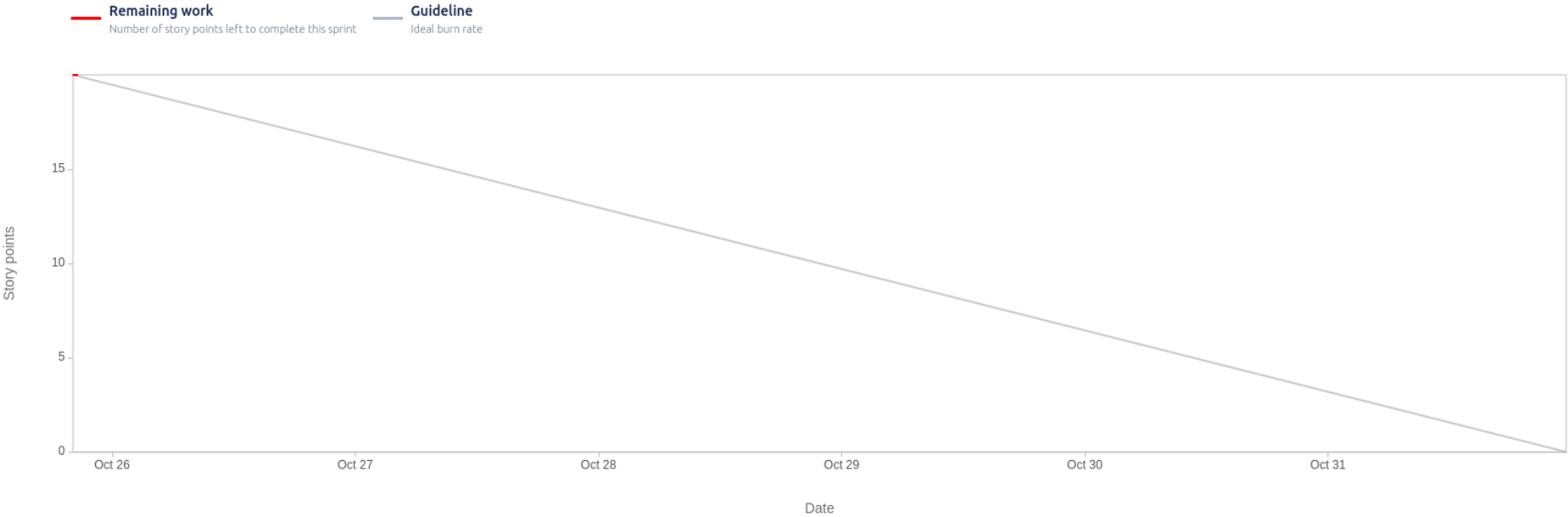
Project Planning :

Backlog

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🔍	J KS M 👤+ Epic ⌄

📈 Insights

⌄ IMSFR Sprint 1 25 Oct – 31 Oct (2 issues)　　　　　　　　　　　　　　　0 **20** 0　Complete sprint ···

📗 IMSFR-8 Retailer Registration `REGISTRATION`	⅄ 10 IN PROGRESS ⌄ J
📗 IMSFR-9 Retailer Login `LOGIN`	⅄ 10 IN PROGRESS ⌄ KS

+ Create issue

⌄ IMSFR Sprint 2 31 Oct – 6 Nov (4 issues)　　　　　　　　　　　　　　　20 **0** 0　Start sprint ···

📗 IMSFR-10 Adding new item type `ITEM ACTIONS`	5 TO DO ⌄ M
📗 IMSFR-11 Displaying item types `ITEM ACTIONS`	5 TO DO ⌄ KS
📗 IMSFR-12 Adding item to the inventory `INVENTORY ACTIONS`	5 TO DO ⌄ J
📗 IMSFR-13 Displaying items of the inventory `INVENTORY ACTIONS`	5 TO DO ⌄ 👤

+ Create issue

Backlog

...

📈 Insights

⌄

⌄ IMSFR Sprint 3 7 Nov – 13 Nov (4 issues)   20 0 0   Start sprint ...

🟩 IMSFR-14 Setting threshold for the inventory items NOTIFICATION   5   TO DO ⌄   M

🟩 IMSFR-15 Send notification when threshold reached NOTIFICATION   5   TO DO ⌄   J

🟩 IMSFR-16 Add store location LOCATION   5   TO DO ⌄   KS

🟩 IMSFR-17 Actions based on store location LOCATION   5   TO DO ⌄   👤

\+ Create issue

⇕

⌄ IMSFR Sprint 4 14 Nov – 20 Nov (6 issues)   20 0 0   Start sprint ...

🟩 IMSFR-18 List all items of the store CUSTOMER   3   TO DO ⌄   M

🟩 IMSFR-19 Filter by locations of the store CUSTOMER   3   TO DO ⌄   KS

🟩 IMSFR-20 Make a purchase of a stock CUSTOMER   3   TO DO ⌄   👤

🟩 IMSFR-21 Indication when trying to make a purchase that doesn't meet the threshold CUSTOMER   3   TO DO ⌄   👤

🟩 IMSFR-22 Create dockerfile DEPLOYMENT   4   TO DO ⌄   J

🟩 IMSFR-23 Deploy app in kubernetes DEPLOYMENT   4   TO DO ⌄   J

\+ Create issue

⇕

⌄ Backlog (0 issues)   0 0 0   Create sprint

Your backlog is empty.

\+ 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**