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

Date	23 October 2022
Team ID	PNT2022TMID26775
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 enteringmy 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 enteringemail & password	High	Niraj Kumar
Sprint 2	Items	USN-5	As a user, I can add the items.	High	Split between all 4
Sprint 2		USN-6	As a user, I can see the items	Low	Rajkumar S
Sprint 2	Inventory	USN-7	As a user, I can add the items to inventory.	High	Palraj R
Sprint 2		USN-8	As a user, I can see the items in the inventory.	Low	Tharan Kumar S

Sprint 3	Indication	USN-9	As a user, I can be able to receive indication	High	Split between all 4
Sprint 3	Location	USN-10	As a user, I can be able to see items from a particularstore location	Medium	Niraj Kumar
Sprint 3		USN-11	As a user, I can add a new location of my store	Medium	Split between all 4
Sprint 4	Purchase	USN -12	As a customer, I can be able to purchase good fromthe particular location of the store	High	Split between all 4
Sprint 4	Deployment	USN-13	As a user, I can access the software in the web	High	Niraj Kumar

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

Story points (y-axis): 0, 5, 10, 15

Date (x-axis): Oct 26, Oct 27, Oct 28, Oct 29, Oct 30, Oct 31
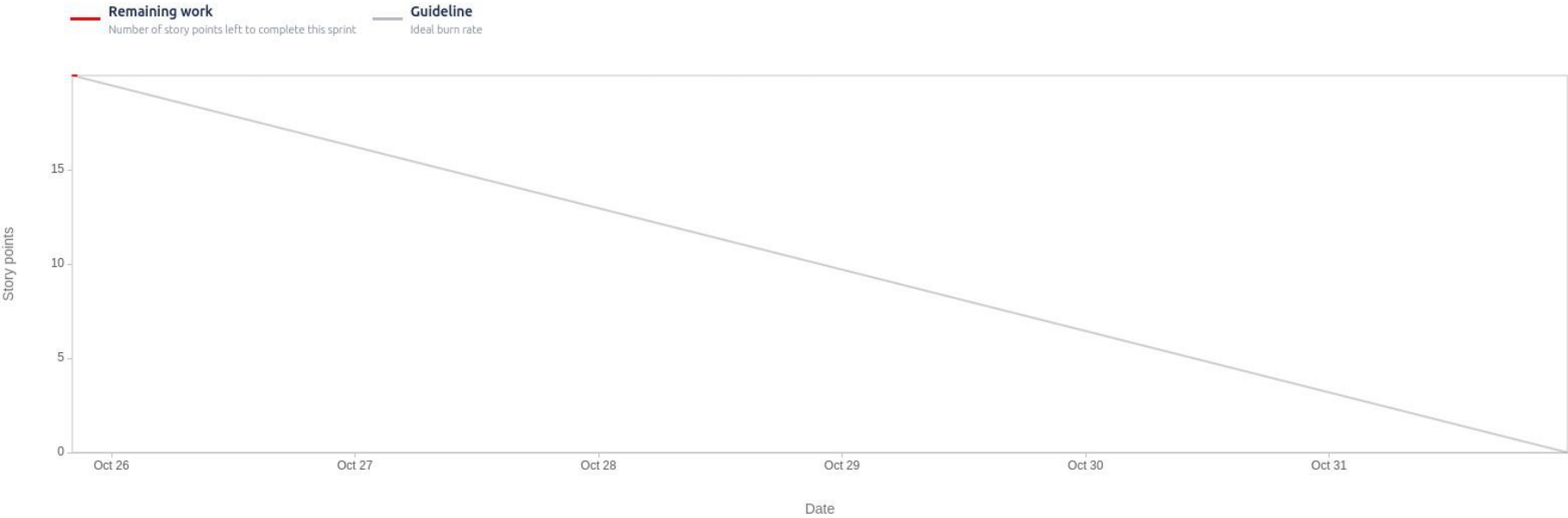
Project Planning:

Backlog

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Q   J KS M   👤   Epic ⌄
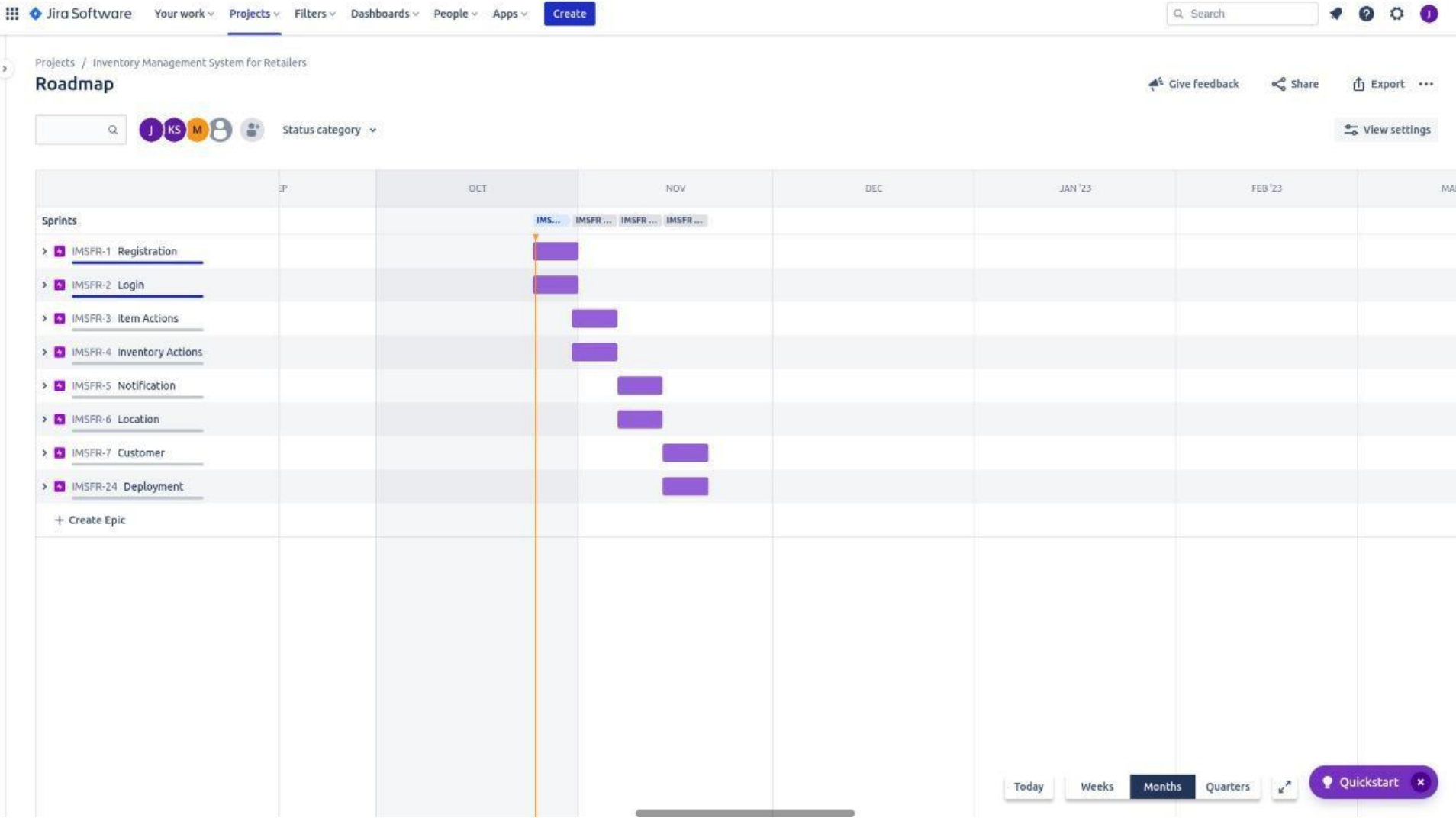
📈 Insights

⌄ **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

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🔍 | Ⓙ KS M | 👤⁺ | Epic ⌄ | 📈 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 ⌄ | Ⓙ

🟩 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 ⌄ | Ⓙ

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

+ Create issue

⌄ **Backlog** (0 issues) | 0 0 0 | Create sprint

Your backlog is empty.

+ Create issue

💡 Quickstart ✕

Milestones and Activities:

Milestone	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