

Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID02644
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	Samyuktha G S
Sprint 2	Items	USN-5	As a user, I can add the items.	High	Samyuktha G S Shivaneesh A Sankara Narayanan S Pavithran V V
Sprint 2		USN-6	As a user, I can see the items	Low	Sankara Narayanan S
Sprint 2	Inventory	USN-7	As a user, I can add the items to inventory.	High	Shivaneesh A

Sprint 2		USN-8	As a user, I can see the items in the inventory.	Low	Pavithran V V
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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	Shivaneesh A
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	Sankara Narayanan S

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)

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

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

▼

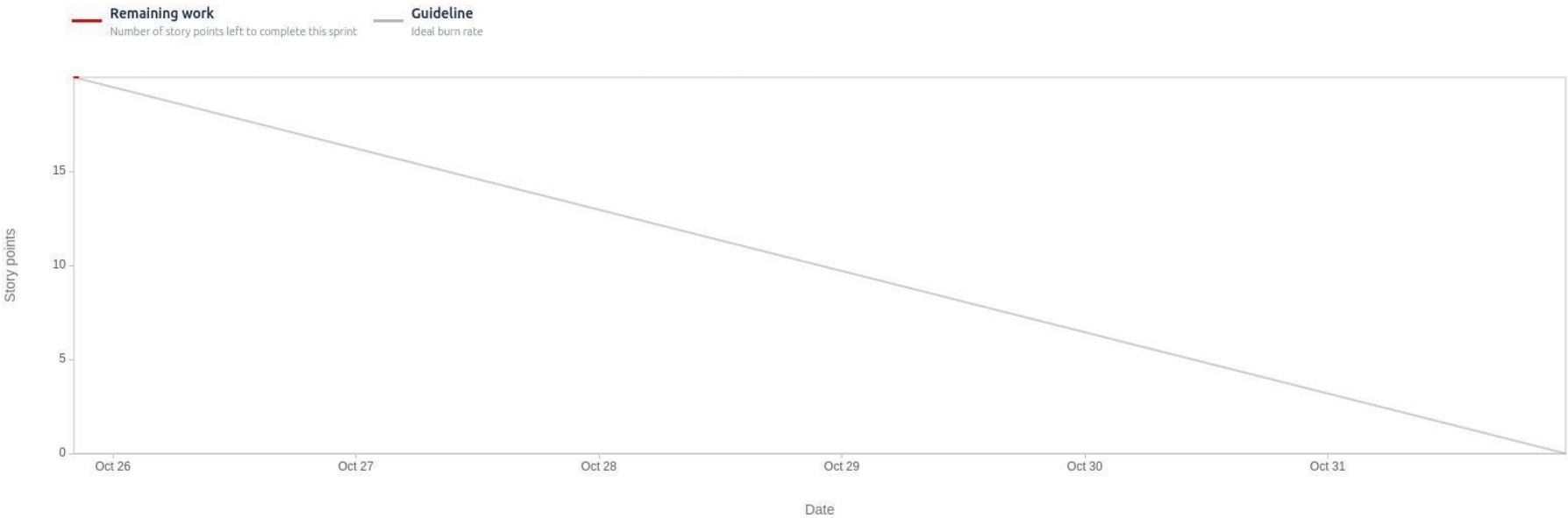
Estimation field

Story points

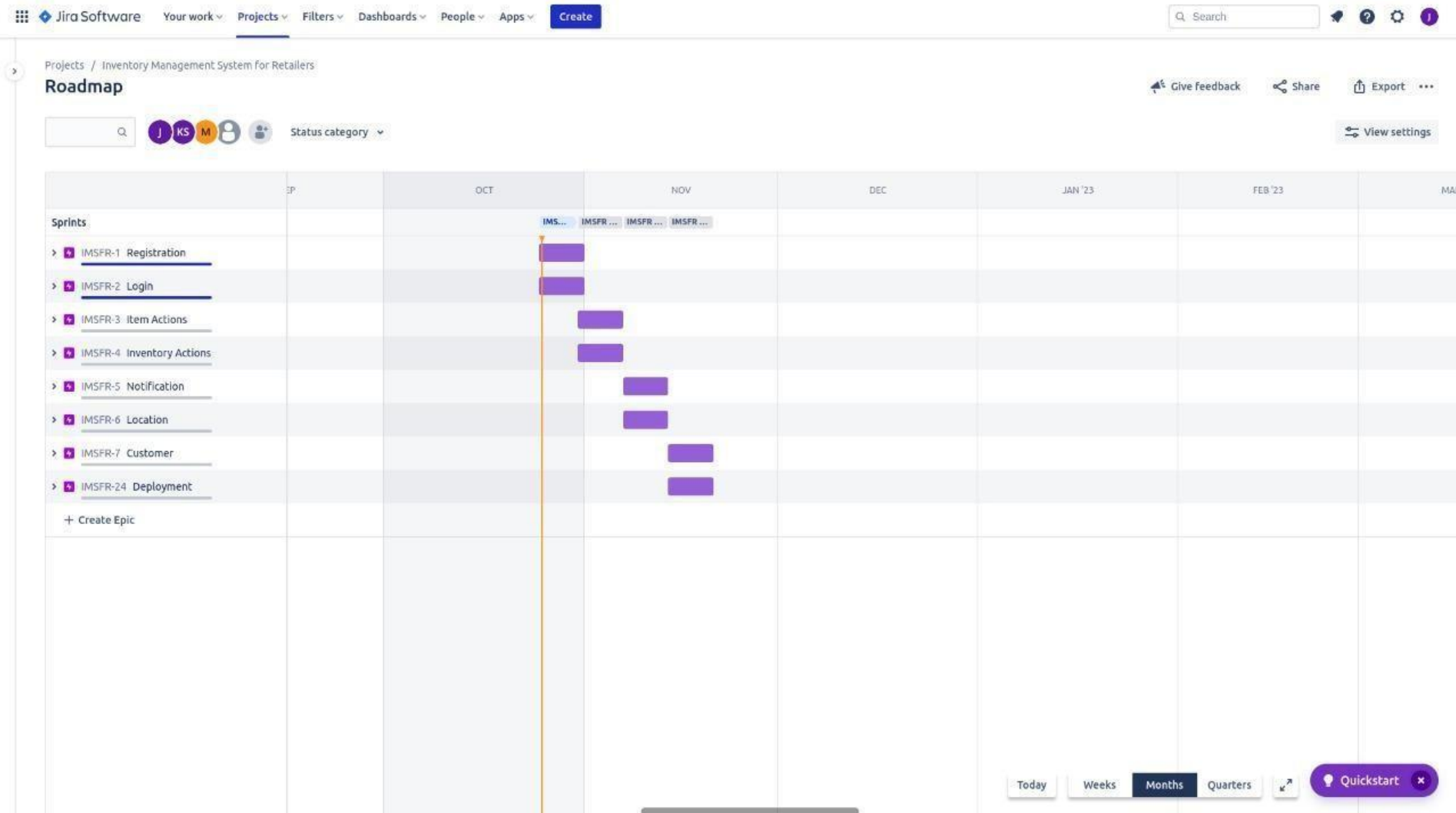
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Date - October 25th, 2022 - October 31st, 2022



Project Planning:



Backlog

JKS

M

Epic

Insights

IMSFR Sprint 125 Oct – 31 Oct (2 issues)

0200Complete sprint

IMSFR-8Retailer RegistrationREGISTRATION

10IN PROGRESSJ

IMSFR-9Retailer LoginLOGIN

10IN PROGRESSKS

+ Create issue

IMSFR Sprint 231 Oct – 6 Nov (4 issues)

2000Start sprint

IMSFR-10Adding new item typeITEM ACTIONS

5TO DO M

IMSFR-11Displaying item typesITEM ACTIONS

5TO DO KS

IMSFR-12Adding item to the inventoryINVENTORY ACTIONS

5TO DO J

IMSFR-13Displaying items of the inventoryINVENTORY ACTIONS

5TO DO

+ Create issue

Backlog

Epic ▾

Insights

▼ IMSFR Sprint 3 7 Nov – 13 Nov (4 issues)

20 Start sprint ⋮

- IMSFR-14 Setting threshold for the inventory items NOTIFICATION 5 TO DO ▾
 - IMSFR-15 Send notification when threshold reached NOTIFICATION 5 TO DO ▾
 - IMSFR-16 Add store location LOCATION 5 TO DO ▾
 - IMSFR-17 Actions based on store location LOCATION 5 TO DO ▾
- + Create issue

▼ IMSFR Sprint 4 14 Nov – 20 Nov (6 issues)

20 Start sprint ⋮

- IMSFR-18 List all items of the store CUSTOMER 3 TO DO ▾
 - IMSFR-19 Filter by locations of the store CUSTOMER 3 TO DO ▾
 - 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)

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