

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story Points)

Date	23 October 2022
Team ID	PNT2022TMID02970
Project Name	Inventory Management System for Retailers
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, 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	Nithyananthan & Prithiv
Sprint 2	Items	USN-5	As a user, I can add the items.	High	Mohamed Shiham
Sprint 2		USN-6	As a user, I can see the items	Low	Nithyananthan
Sprint 2	Inventory	USN-7	As a user, I can add the items to inventory.	High	Pradeep Sriram
Sprint 2		USN-8	As a user, I can see the items in the inventory.	Low	Prithiv
Sprint 3	Indication	USN-9	As a user, I can be able to receive indication	High	Pradeep Sriram
Sprint 3	Location	USN-10	As a user, I can be able to see items from a particular store location	Medium	Mohamed Shiham
Sprint 3		USN-11	As a user, I can add a new location of my store	Medium	Nithyananthan
Sprint 4	Purchase	USN -12	As a customer, I can be able to purchase good from the particular location of the store	High	Prithiv

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Priority</b>	<b>Team Members</b>
Sprint 4	Deployment	USN-13	As a user, I can access the software in the web	High	Pradeep Sriram

**Project Tracker, Velocity & Burndown Chart:(4Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date(Actual)</b>
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)

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

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:

Projects / Inventory Management System for Retailers / Reports

## Sprint burndown chart

How to read this report

Sprint

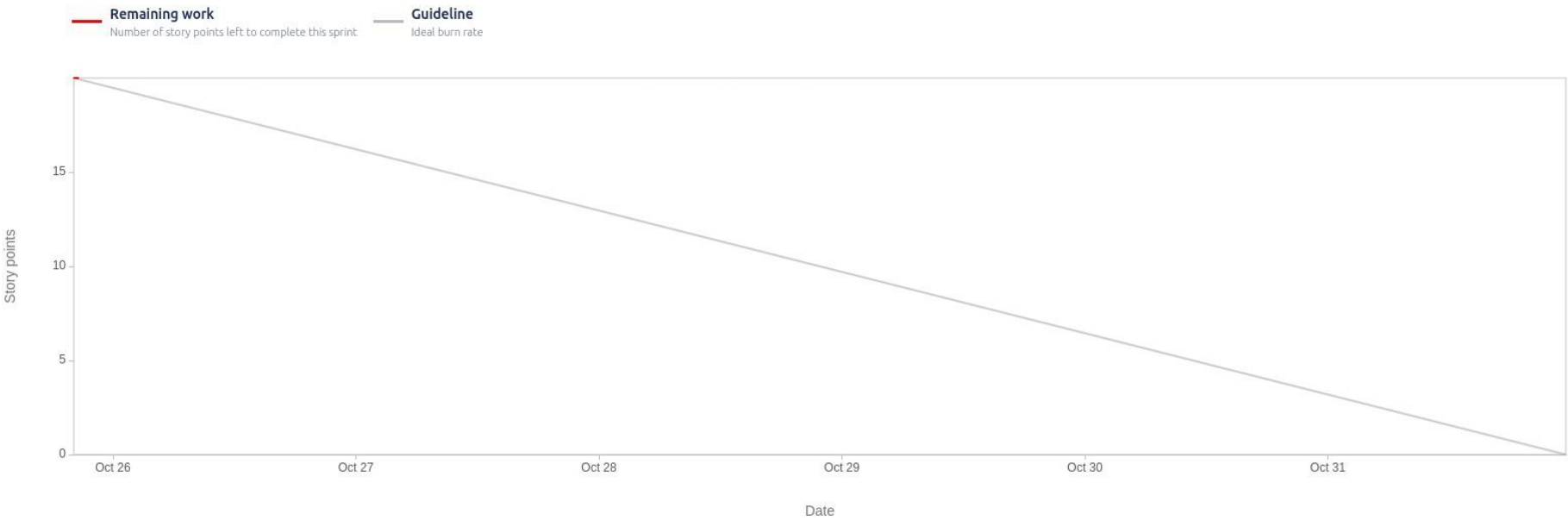
IMSFR Sprint 1

Estimation field

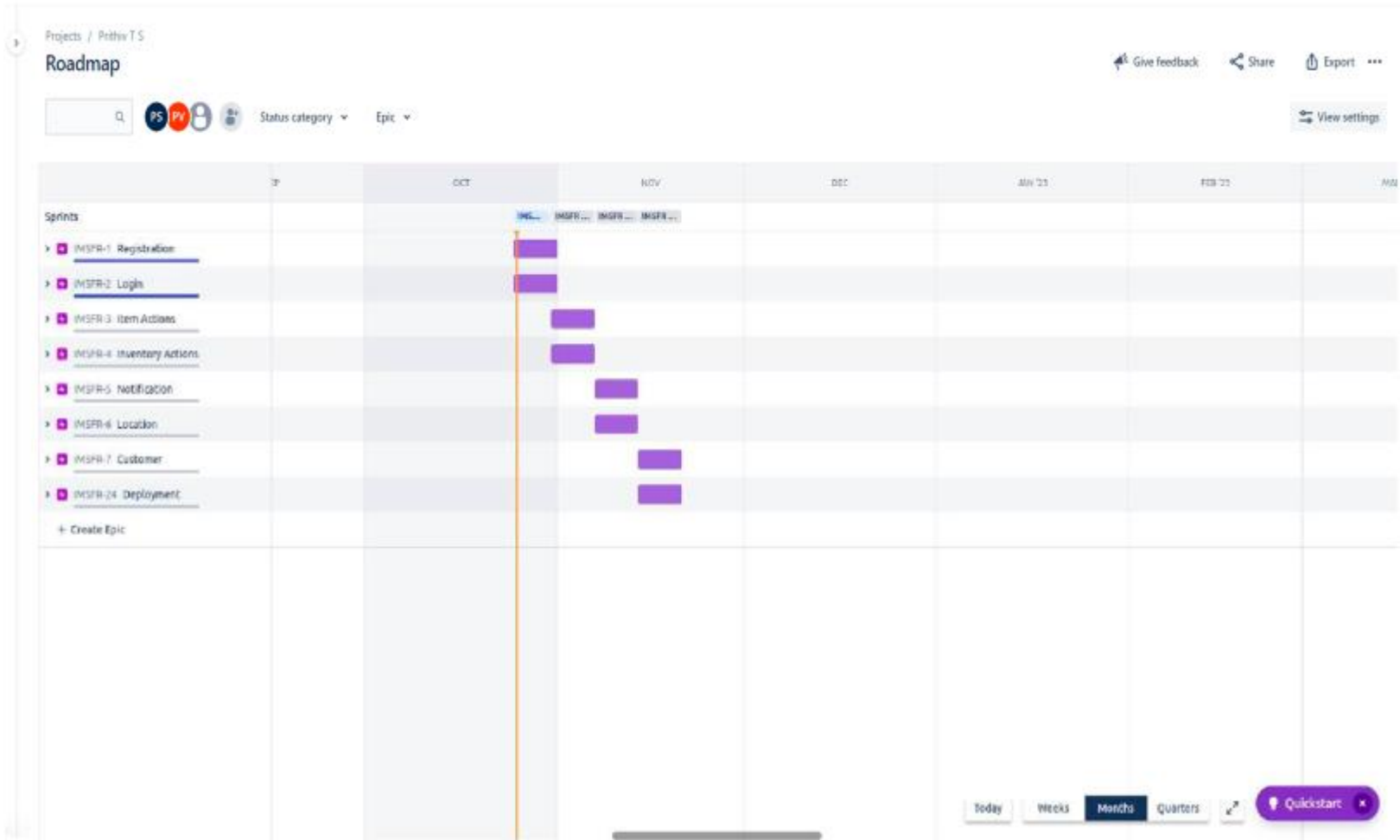
Story points

...

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



Project Planning:



## Backlog



Epic ▾

GROUP BY **None** ▾

### ▼ IMSFR Sprint 1 25 Oct – 31 Oct (2 issues)

0 20 Complete sprint ▾

IMSFR-8 Retailer Registration **REGISTRATION**

10 IN PROGRESS ▾

IMSFR-9 Retailer Login **LOGIN**

10 IN PROGRESS ▾

+ Create issue

### ▼ IMSFR Sprint 2 31 Oct – 6 Nov (4 issues)

20 Start sprint ▾

IMSFR-10 Adding new item type **ITEM ACTIONS**

\$ TO DO ▾

IMSFR-11 Displaying item types **ITEM ACTIONS**

\$ TO DO ▾

IMSFR-12 Adding item to the inventory **INVENTORY ACTIONS**

\$ TO DO ▾

IMSFR-13 Displaying items of the inventory **INVENTORY ACTIONS**

\$ TO DO ▾

+ Create issue



Projects / Prithiv T S

## Backlog



Epic ▾

GROUP BY None ▾

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

20 Start sprint ⋮

- IMSFR-14 Setting threshold for the inventory items NOTIFICATION 3 TO DO w/ 👤
- IMSFR-15 Send notification when threshold reached NOTIFICATION 3 TO DO w/ 👤
- IMSFR-16 Add store location LOCATION 3 TO DO w/ 👤
- IMSFR-17 Actions based on store location LOCATION 3 TO DO w/ 👤

+ 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 w/ 👤
- IMSFR-19 Filter by locations of the store CUSTOMER 3 TO DO w/ 👤
- IMSFR-20 Make a purchase of a stock CUSTOMER 3 TO DO w/ 👤
- IMSFR-21 Indication when trying to make a purchase that doesn't meet the threshold CUSTOMER 3 TO DO w/ 👤
- IMSFR-22 Create dockerfile DEPLOYMENT 4 TO DO w/ 👤
- IMSFR-23 Deploy app in kubernetes DEPLOYMENT 4 TO DO w/ 👤

+ Create issue

## ▼ Backlog (0 issues)

20 Create sprint ⋮

Your backlog is empty.

+ Create issue

Quickstart

## Milestones and Activities:

Milestones	Activities
Registration	<ul style="list-style-type: none"><li>• Retailer Registration</li></ul>
Login	<ul style="list-style-type: none"><li>• Retailer Login</li></ul>
Item Actions	<ul style="list-style-type: none"><li>• Add item type</li><li>• Display item types</li></ul>
Inventory Actions	<ul style="list-style-type: none"><li>• Add stock to inventory</li><li>• Display stock from inventory</li></ul>
Notification	<ul style="list-style-type: none"><li>• Sent notification when threshold of stock reached</li></ul>
Location	<ul style="list-style-type: none"><li>• Add store location</li><li>• Update operations to handle location</li></ul>
Customer	<ul style="list-style-type: none"><li>• Able to see stocks</li><li>• Able to make purchase</li></ul>
Deployment	<ul style="list-style-type: none"><li>• Project deployment in IBM Cloud</li></ul>