

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27088
Project Name	Project - Inventory Management System For Retailers
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering First name , Last Name , Phone Number ,Email address , password , and confirming my password.	2	High	Prasanth M
		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Prasanth M
		USN-3	As a user, I can register for the application through Social medias	1	Low	Praveen Kumar R
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Praveen Kumar R, Rohan Sri M
		USN-5	As a user, I can reset my password using Forgot Password If I Forgot the password	2	High	Rohan Sri M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 2	Log In	USN-6	As a user , I can Check the stock availability	2	High	Prasanth M
		USN-7	As a user , I can add the products to buying area according to the Stock Availability	2	High	Praveen M
Sprint 3	Dashboard - Home Page	USN-8	As a user , I can view the homepage of the website	2	High	Praveen Kumar R, Rohan Sri M
	Dashboard - About Page	USN-9	As a user , I can view the about page on the website and get the information related to the Super Market	1	Low	Praveen Kumar R
Sprint-4	Send Request	USN-10	As a user , I can raise a request for the product I want to buy	2	High	Rohan Sri M
	View Request	USN-11	As a admin , I can send the product details and Cost of the product which the customer wants to buy.	2	High	Praveen M
	Maintenance	USN-12	As a admin , I can maintain the database as per the products sold and the product got damaged so that the user can get a better experience of the website	2	High	Praveen Kumar R,
	Solving User Queries	USN-13	Creating a ChatBot using Watson Assistant in IBM Cloud that helps to solve the queries of the users.	2	High	Prasanth M

**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	6 Days	27 Oct 2022	2 Nov 2022	20	29 Oct 2022
Sprint-2	20	8 Days	3 Nov 2022	11 Nov 2022		
Sprint-3	20	3 Days	12 Nov 2022	14 Nov 2022		
Sprint-4	20	5 Days	15 Nov 2022	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)

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

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](#) methodologies such as [Scrum](#). However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

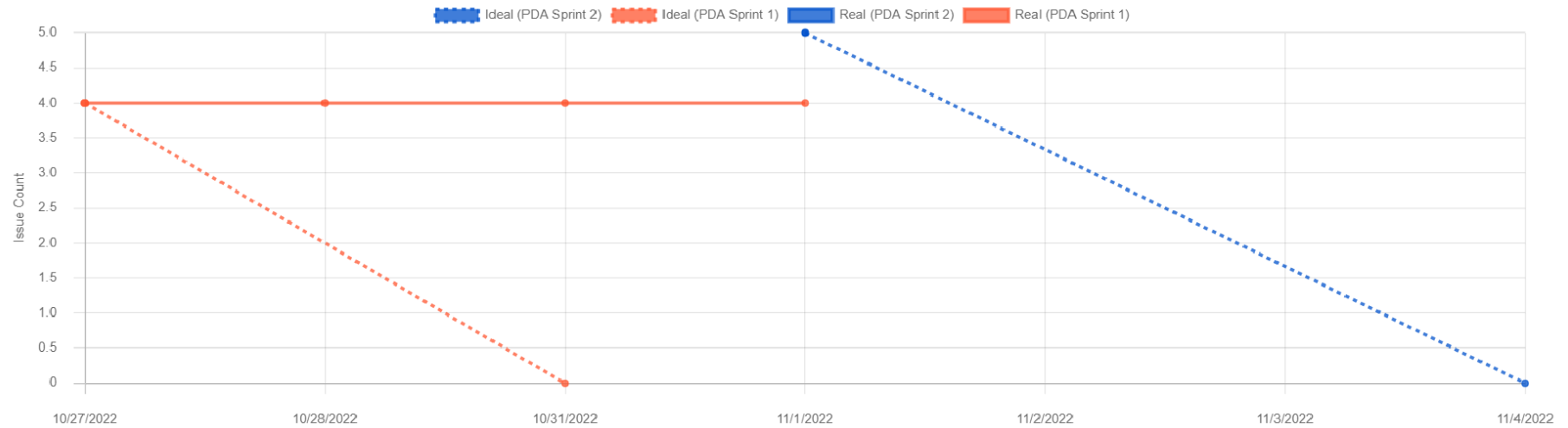
<https://www.atlassian.com/agile/tutorials/burndown-charts>

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### Advanced Burndown Chart Dashboard Item

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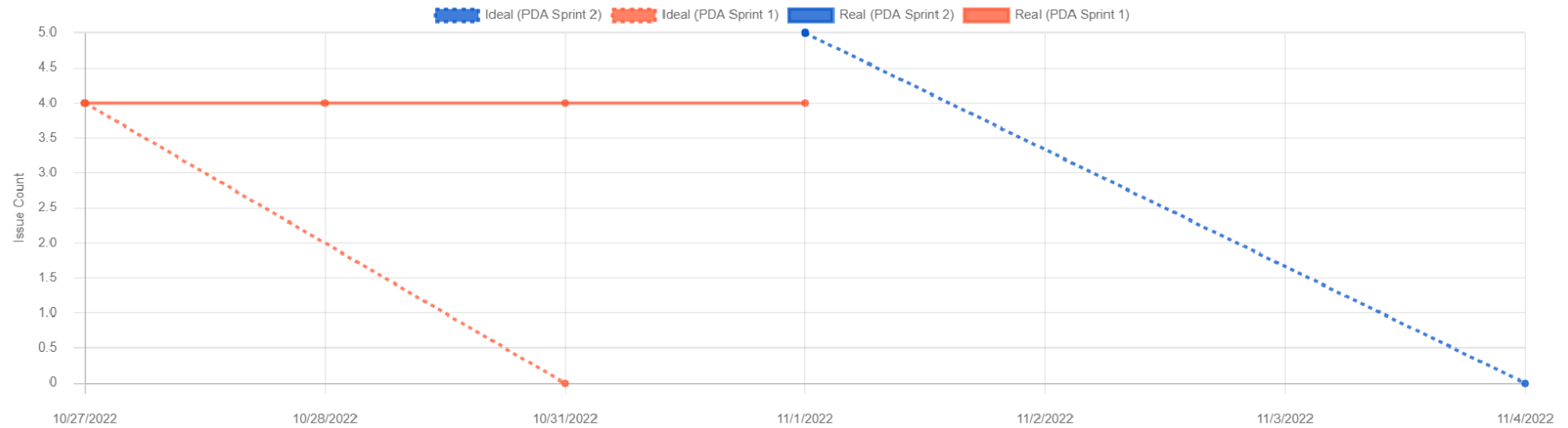
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