

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID53314
Project Name	Inventory Management System for Retailers in Cloud Application Development
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 my email, password, and confirming my password.	2	High	Sathya S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Shakthi Sri S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	13	Low	Sukanya P
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	Medium	Tamilarasi S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	8	High	Sukanya P
Sprint-2	Dashboard	USN-6	As a user, it displays all top brands and offers of product	21	Low	Sathya S
Sprint-3	Application	USN-7	As a user, I can register, login and shop the products easily	55	Medium	Shakthi Sri S
Sprint-4	Update Inventory details	USN-8	To keep track of order and availability of stock in inventory	144	High	Tamilarasi S
Sprint-3	Add new stock	USN-9	To add new products into the application	89	High	Shakthi Sri S
Sprint-4	Verify customer feedback	USN-10	To design application that meets user's desires	233	High	Sathya
Sprint-2	Inventory Control	USN-11	To refill the unavailability of stock in inventory	34	Medium	Sukanya P
Sprint-4	Performance of Application	USN-12	To make the business process more efficient	377	High	Tamilarasi 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	6 Days	22 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	29 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	05 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	19 Nov 2022	20	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)

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

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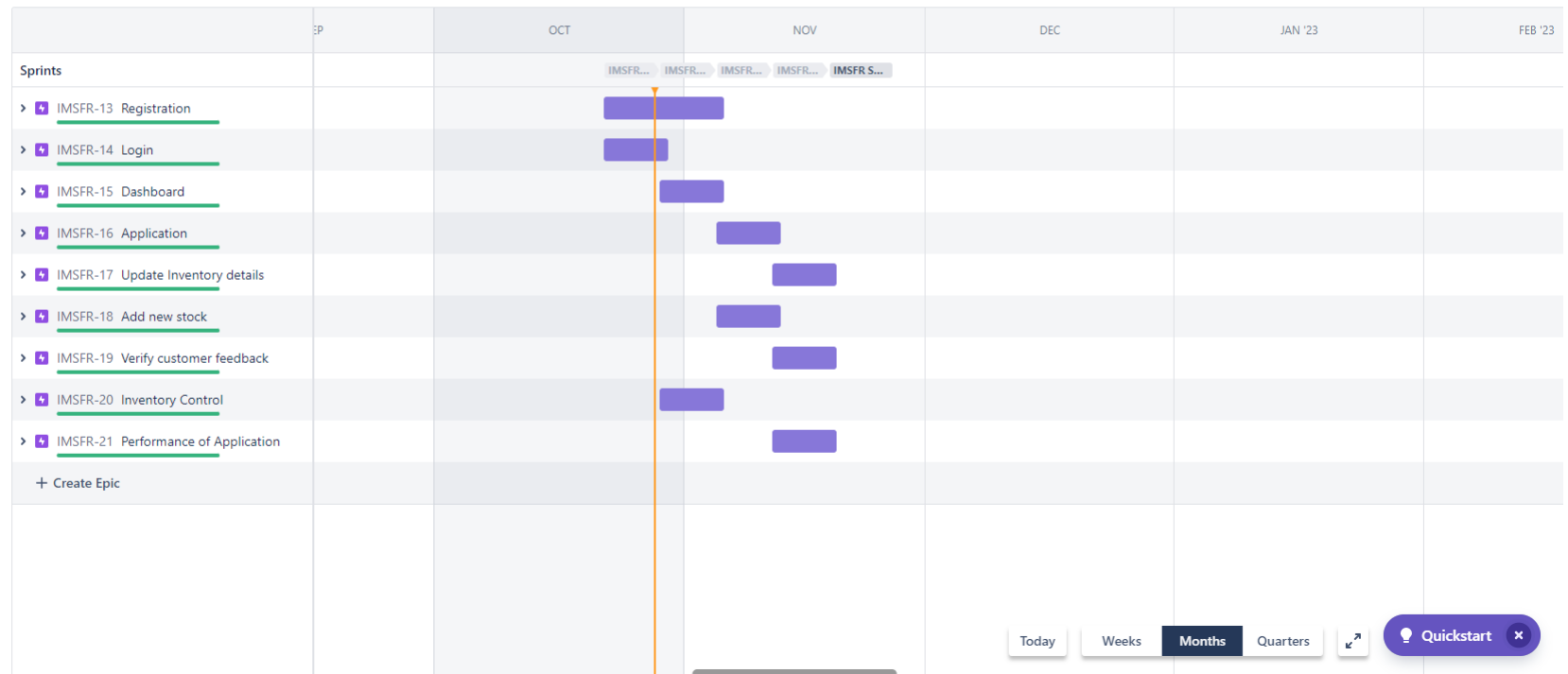
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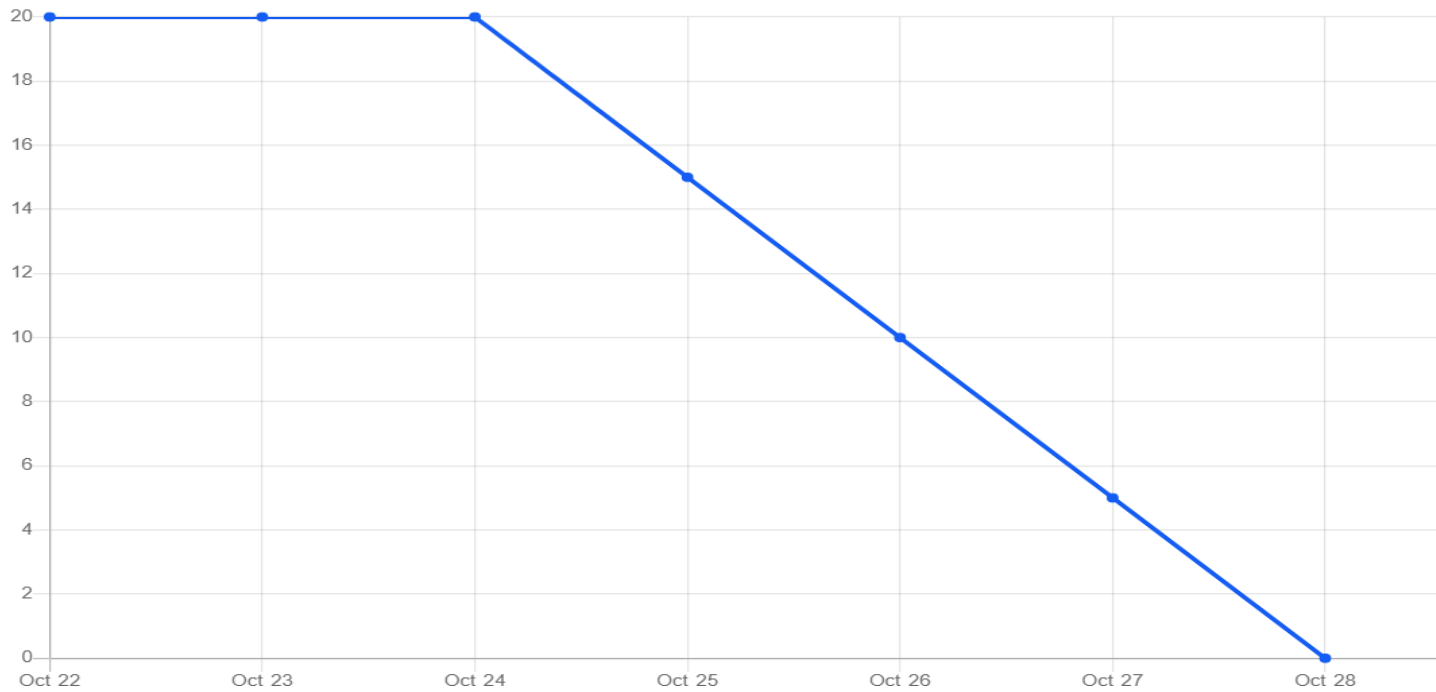


Burndown Chart:

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.

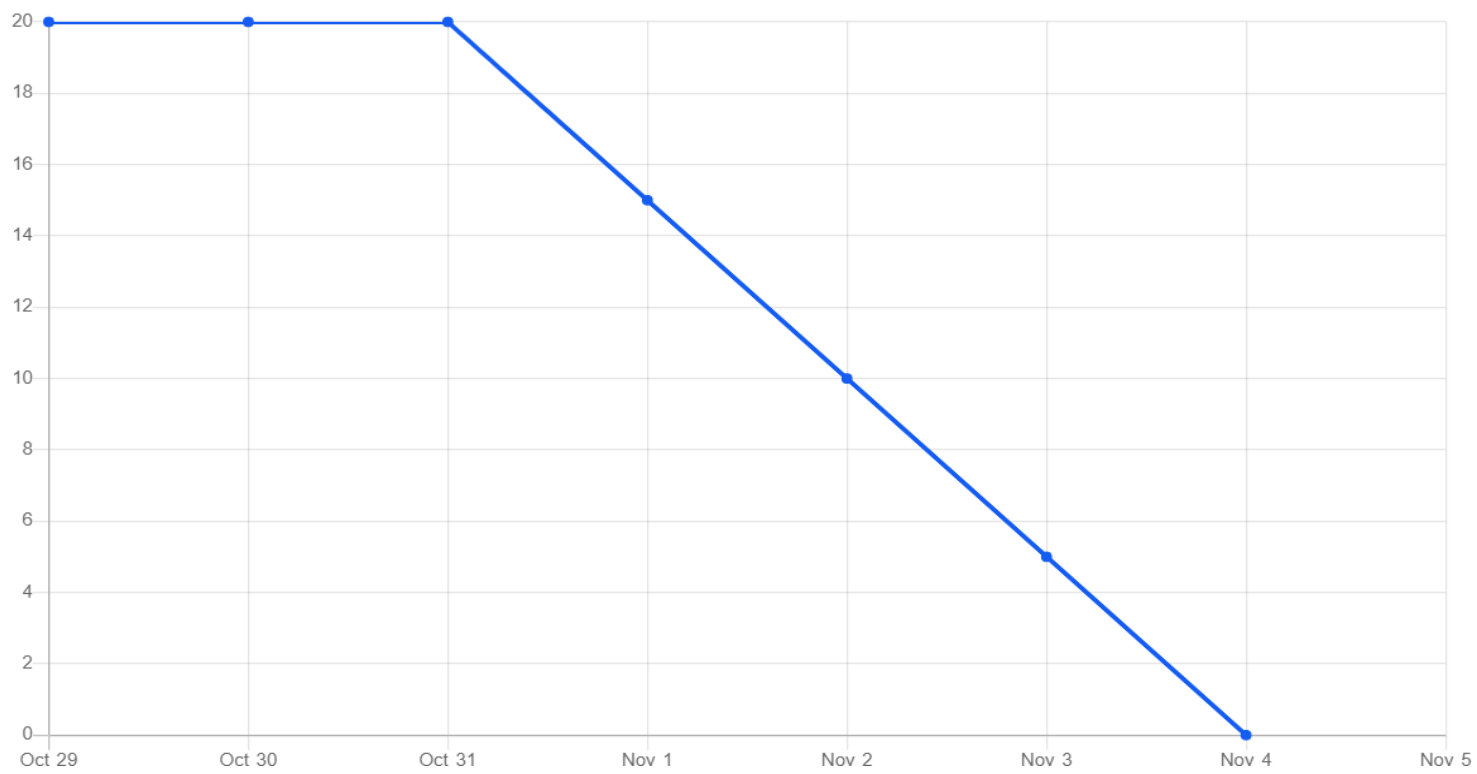
Sprint-1

Burndown Chart



Sprint-2

Burndown Chart



Sprint-3

Burndown Chart



Sprint-4

Burndown Chart

