

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID19193
Project Name	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	User can register for the application by using my email & password and confirming mylogin credentials.	3	High	Danush P S Praveen Babu R Shalinsri J Kavipriyaa P
Sprint-1		USN-2	User can login through my E-mail.	3	Medium	Danush P S Praveen Babu R Shalinsri J Kavipriyaa P
Sprint-1	Confirmation	USN-3	User can receive my confirmation emailonce I have registered for the application.	2	High	Danush P S Praveen Babu R Shalinsri J Kavipriyaa P
Sprint-1	Login	USN-4	User can log in to the authorized account by entering the registered email and password.	3	Medium	Danush P S Praveen Babu R Shalinsri J Kavipriyaa P

Sprint-2	Dashboard	USN-5	User can view the products that are available currently.	4	High	Danush P S Praveen Babu R Shalinisri J Kavipriyaa P
Sprint-2	Stocks update	USN-6	User can add products which are not available in the inventory and restock the products.	3	Medium	Danush P S Praveen Babu R Shalinisri J Kavipriyaa P
Sprint-3	Sales prediction	USN-7	User can get access to sales prediction tool which can help me to predict better restock management of product.	6	Medium	Danush P S Praveen Babu R Shalinisri J Kavipriyaa P
Sprint-4	Request for customer care	USN-8	User can able to request customer care to get in touch with the administrators and enquire the doubts and problems.	4	Medium	Danush P S Praveen Babu R Shalinisri J Kavipriyaa P
Sprint-4	Giving feedback	USN-9	User can able to send feedback forms reporting any ideas for improving or resolving any issues I am facing to get it resolved.	3	Medium	Danush P S Praveen Babu R Shalinisri J Kavipriyaa P

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	11	4 Days	03 Nov 2022	06 Nov 2022	11	06 Nov 2022
Sprint-2	7	4 Days	07 Nov 2022	10 Nov 2022	7	10 Nov 2022
Sprint-3	6	4 Days	11 Nov 2022	14 Nov 2022	6	14 Nov 2022
Sprint-4	7	4 Days	15 Nov 2022	18 Nov 2022	7	18 Nov 2022

Velocity:

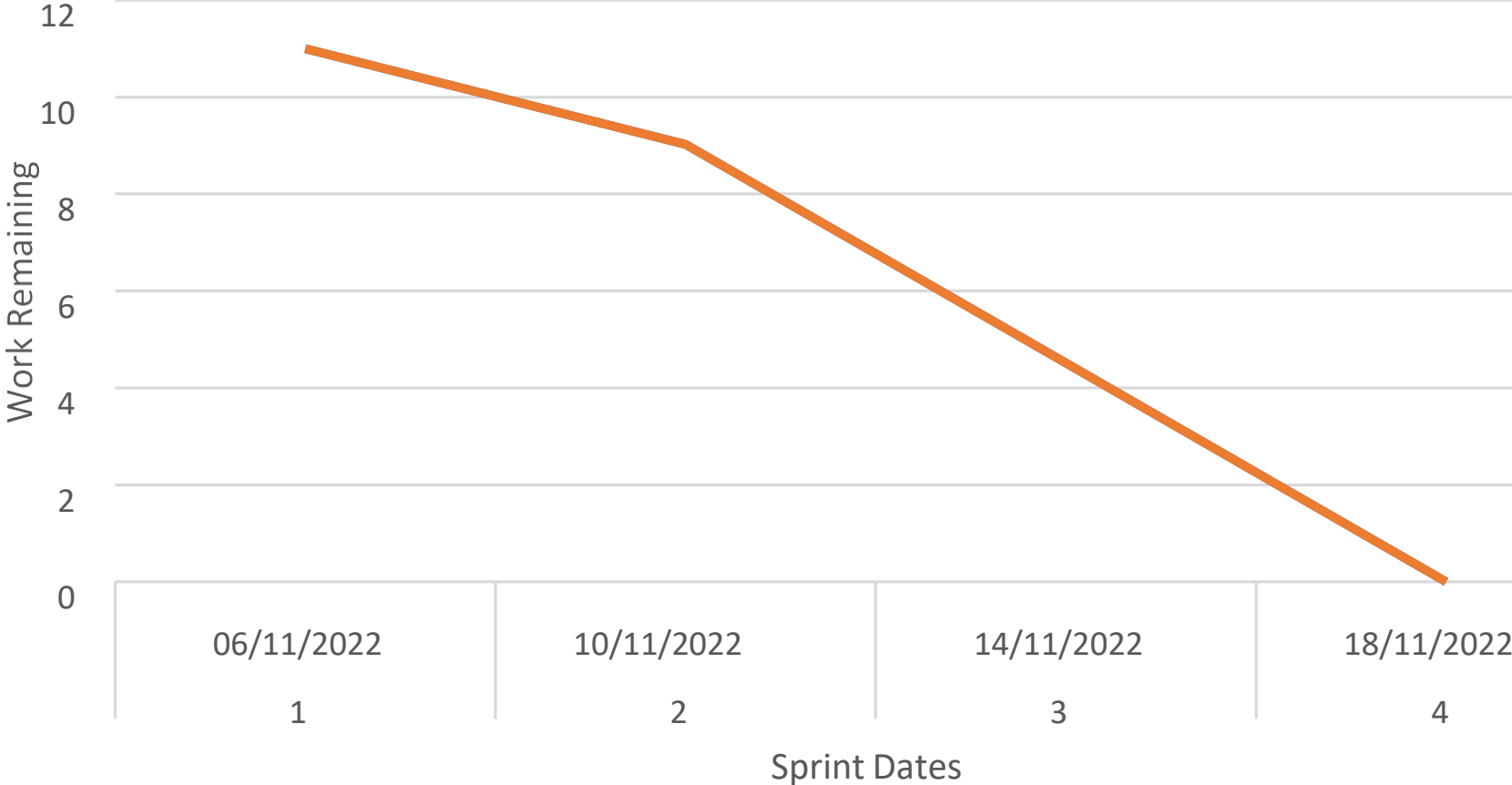
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Our velocity should be:

$$AV = \frac{(11+7+6+7)}{16} = \frac{31}{16} = 1.93$$

Burndown Chart



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>

References:

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

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

[https://www.atlassian.com/agile/tutorials/epics](software)

<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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