

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

Date	18 October 2022
Team ID	PNT2022TMID42578
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	As an user, I sign up/register with name, email id and password.	3	High	Gunasekhar C, Hari Prakash P, Dhanu Shree P, Jagadish V
Sprint-1	Registration	USN-2	As an user, I will receive confirmation email once I have registered for the application	2	High	Gunasekhar C, Hari Prakash P,
Sprint-1	Login	USN-3	As an user, I can log into the application by entering email & password	2	Medium	Dhanu Shree P, Jagadish V
Sprint-1	Login	USN-4	As a user, I can give forget password if password is incorrect	2	Medium	Dhanu Shree P, Jagadish V
Sprint-2	Dashboard	USN-5	As a user, I can able to add the stocks	3	High	Dhanu Shree P, Hari Prakash P
Sprint-2	Dashboard	USN-6	As a user, I can able to update the stocks	2	High	Gunasekhar C, Hari Prakash P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-7	As a user, I can able to delete/edit the stocks	4	Medium	Hari Prakash P, Jagadish V,
Sprint-2	Dashboard	USN-8	As a user, I can able to view the stocks	2	Medium	Dhanu Shree P, Gunasekhar C
Sprint-3	Dashboard	USN-9	As a user, I can view the sales growth of frequently selling products	6	Low	Gunasekhar C, Hari Prakash P
Sprint-3	Catalog	USN-10	As a user, I can see to catalog and update order	3	Medium	Gunasekhar C, Jagadish V,
Sprint-3	Catalog	USN-11	As a user, I can add the needy products into my cart	2	Low	Gunasekhar C, Hari Prakash P
Sprint-4	Feedback	USN-12	As a user, I can able to give feedback about my opinion	2	High	Gunasekhar C, Hari Prakash P, Dhanu Shree P, Jagadish V
Sprint-4	Stock Availability	USN-13	As a user, I know the products being sold out	3	Medium	Gunasekhar C, Hari Prakash P
Sprint-4	Notification	USN-14	As a user, I can notify the product being out of stock	4	Medium	Gunasekhar C, Hari Prakash 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	9	7 Days	24 Oct 2022	30 Oct 2022	9	02 Nov 2022
Sprint-2	11	6 Days	31 Oct 2022	05 Nov 2022	On Progress	On progress
Sprint-3	11	6 Days	07 Nov 2022	12 Nov 2022	Yet to be update	Yet to be update
Sprint-4	9	6 Days	14 Nov 2022	19 Nov 2022	Yet to be update	Yet to be update

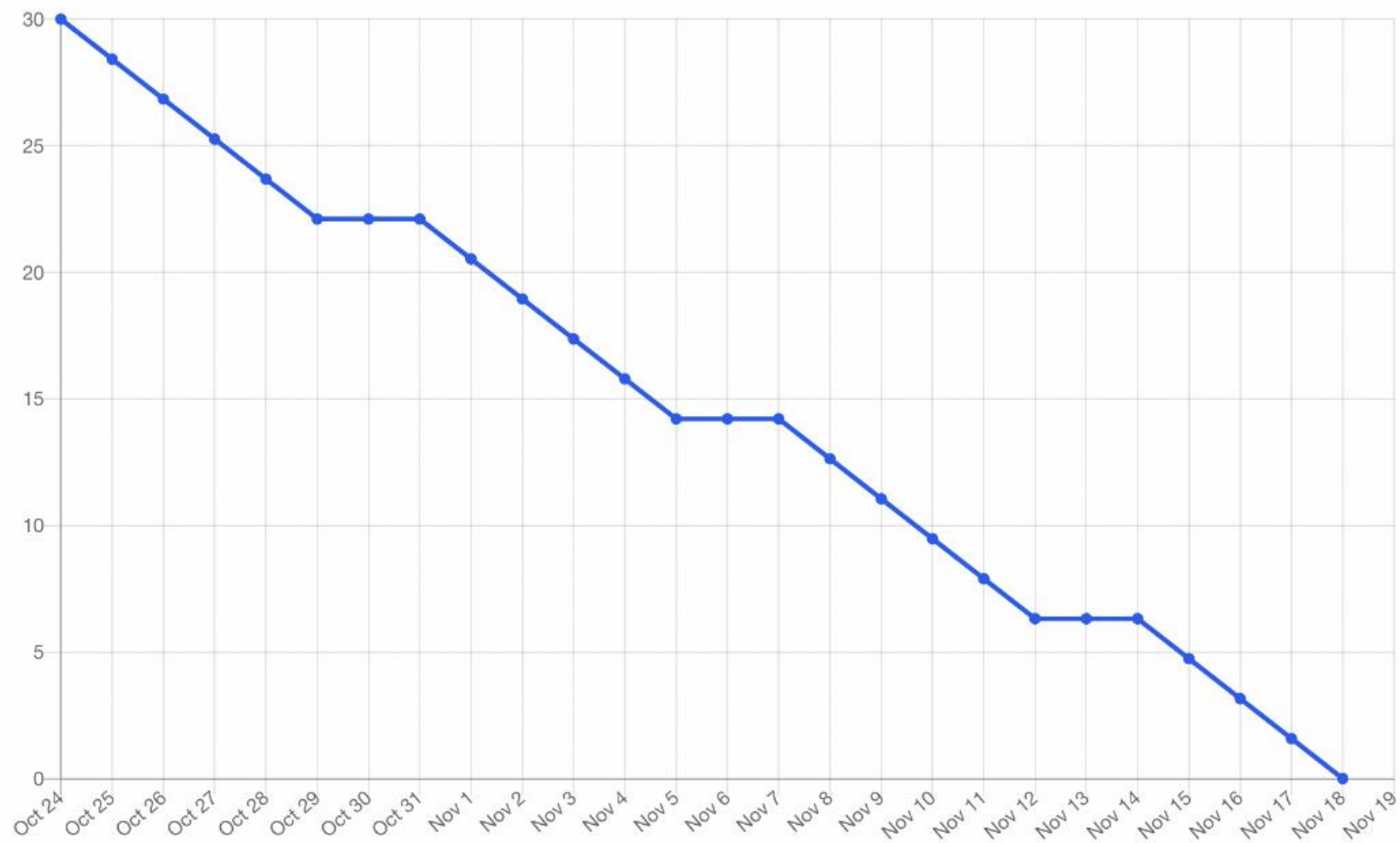
Velocity:

Imagine we have a 24-day sprint duration, and the velocity of the team is 30 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$AV = \frac{(9+11+11+9)}{25} = 1.2$$

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>