

Project Planning Phase

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

Date	6 November 2022
Team ID	PNT2022TMID51170
Project Name	Project - Inventory Management System for Retailers
Maximum Marks	8 Marks

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

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	Padmanaban P
Sprint-1	Registration	USN-2	As a user, I can register for the application through E-mail	1	High	Ramesh Kumar M
Sprint-1	Confirmation	USN-3	As a user, I will confirm the registration once I have received the email from the application	2	Medium	Selva Balaje R
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Arumugaperumal A
Sprint-2	Dashboard	USN-5	As a user, I can view the dashboard of the application by entering my email & password	3	High	Padmanaban P
Sprint-2	ChatBot	USN-6	As a user, I can interact and get help from chatbot	3	Medium	Ramesh Kumar M
Sprint-2	Add items to cart	USN-7	As a user, I can add the products I wish to buy to the carts..	3	Medium	Selva Balaje R
Sprint-3	Stock Update	USN-8	As a user, I can add products that are not available in the dashboard to the stock list.	5	Medium	Arumugaperumal A
Sprint-4	Request to Customer Care	USN-9	As a user, I can post queries through mail	5	Low	Padmanaban P
Sprint-4	Feedback	USN-10	As a user, I can give my feedback by submitting the form.	5	Low	Ramesh Kumar 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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022	9	29 Oct 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration. 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)

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

Sprints	Sprint Duration	Velocity	Actual velocity
Sprint-1	6	7	0.85
Sprint-2	6	9	0.66
Sprint-3	6	5	1.2
Sprint-4	6	10	0.6

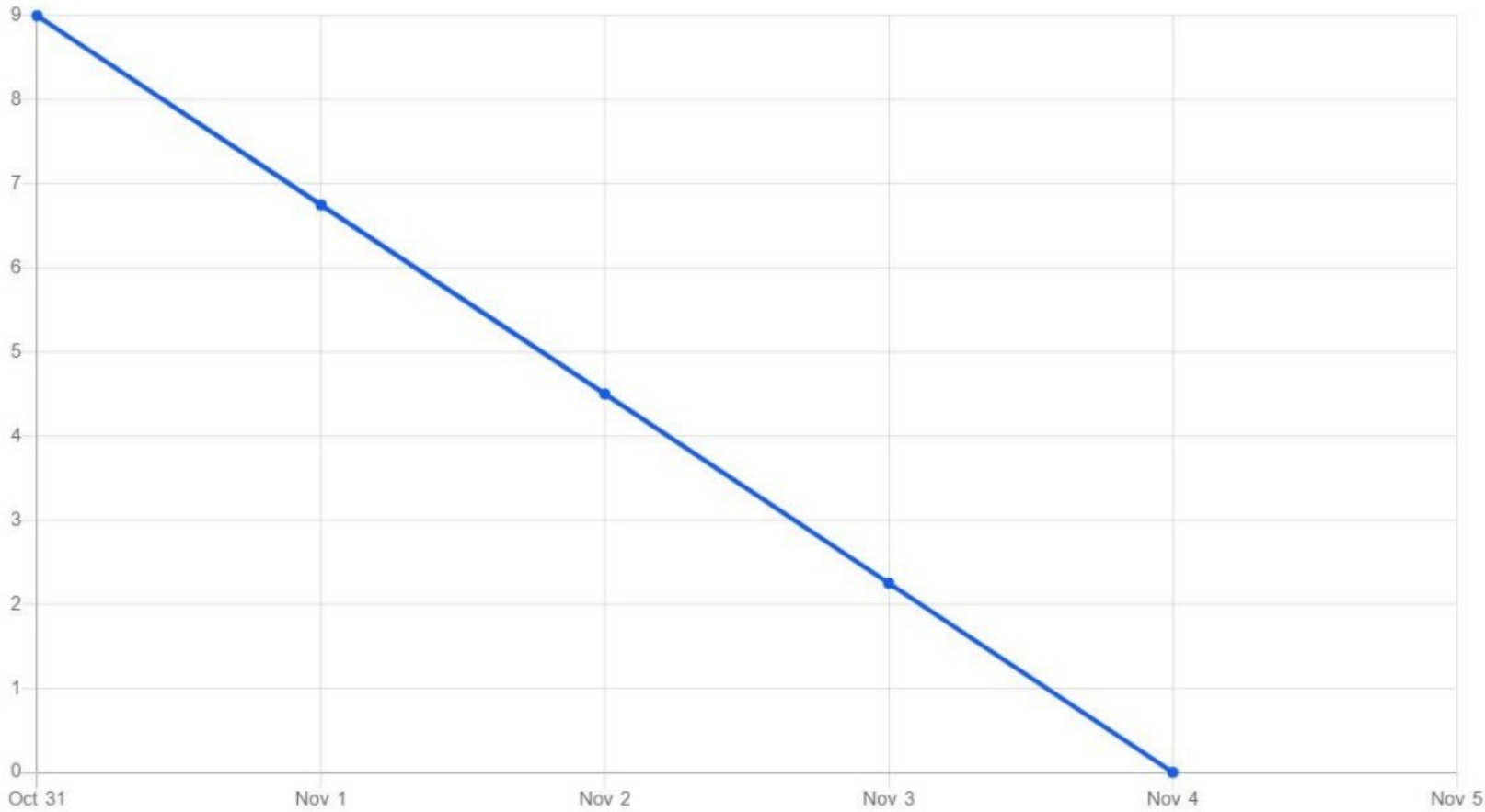
SPRINT 1:

Burndown Chart



SPRINT 2:

Burndown Chart



SPRINT 3:

Burndown Chart



SPRINT 4:

Burndown Chart

