3Project Planning Phase

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

Team ID	PNT2022TMID15255
Project Name	Project – Retail Store Stock Inventory Analytics

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	Shalini R, Deksha H
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Arunadevi A, Prathikshaa S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-3	As a user, I can register for the application through Google	2	Low	Asifa Y, Shalini R
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Deksha H, Arunadevi A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Asifa Y, Prathikshaa S
Sprint-2	Dashboard	USN-6	As a user, I can view the dashboard and perform analysis	3	High	Shalini R, Deksha H
Sprint-2	View Stocks	USN-7	As a user, I can view the products	4	High	Arunadevi A, Prathikshaa S
Sprint-2	Search Stocks	USN-8	As a user, I can search the products	4	Medium	Asifa Y, Shalini R
Sprint-3	Add/Delete Stocks	USN-9	As a user, I can add/delete products	6	High	Deksha H, Arunadevi A
Sprint-4	Invoice Generation	USN-10	As a user, I can generate invoice calculating taxes, discount and calculate credits	5	High	Asifa Y, Prathikshaa S
Sprint-3	Report Generation	USN-11	As a user, I can generate reports based on product sales	5	High	Shalini R, Deksha H, Arunadevi A
Sprint-4	Stock Prediction	USN-12	As a user, I can predict out of stock	6	High	Prathikshaa S, Asifa Y

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	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	13	6 Days	31 Oct 2022	05 Nov 2022	13	05 Nov 2022
Sprint-3	11	6 Days	07 Nov 2022	12 Nov 2022	11	12 Nov 2022
Sprint-4	11	6 Days	14 Nov 2022	19 Nov 2022	11	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)

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

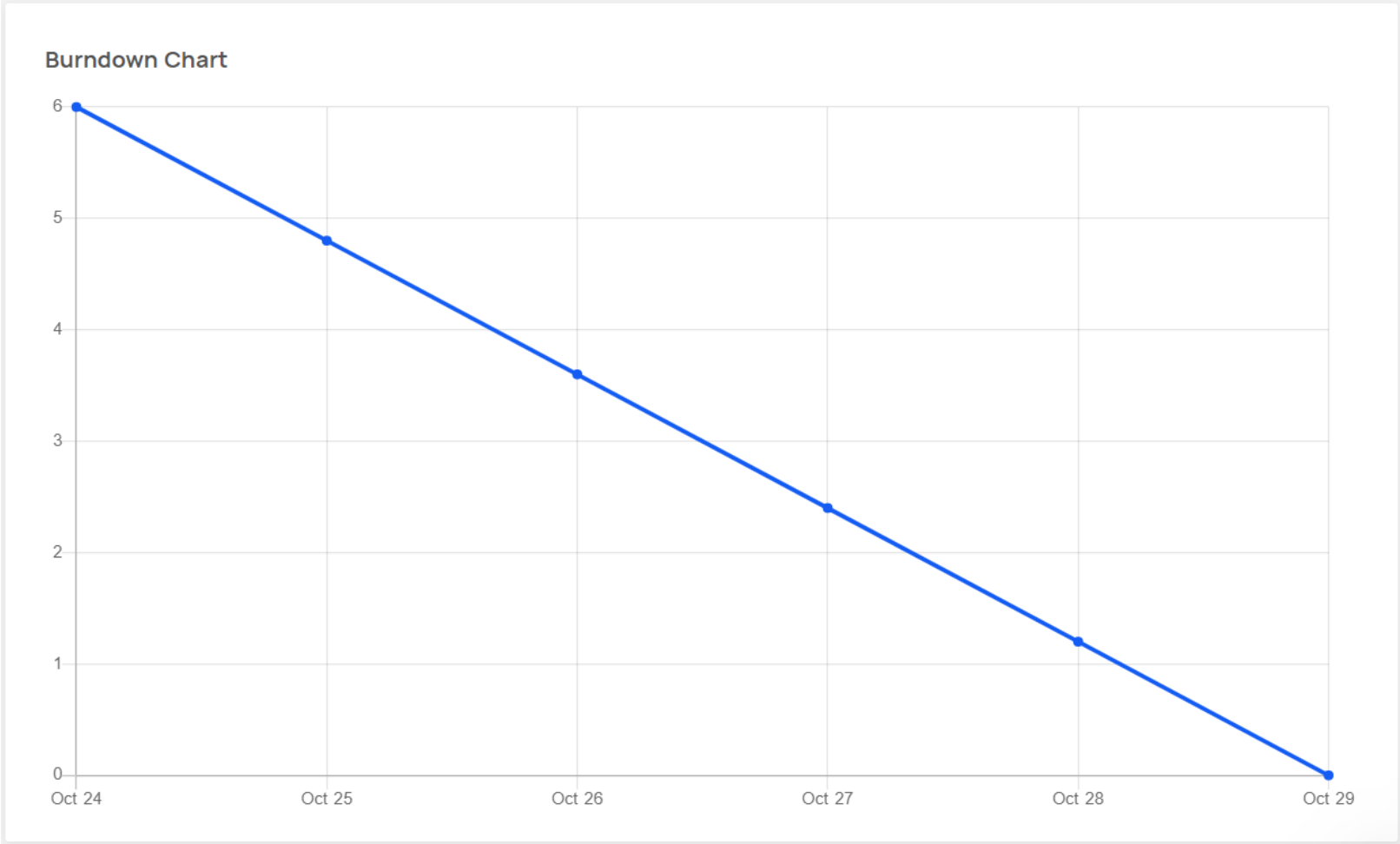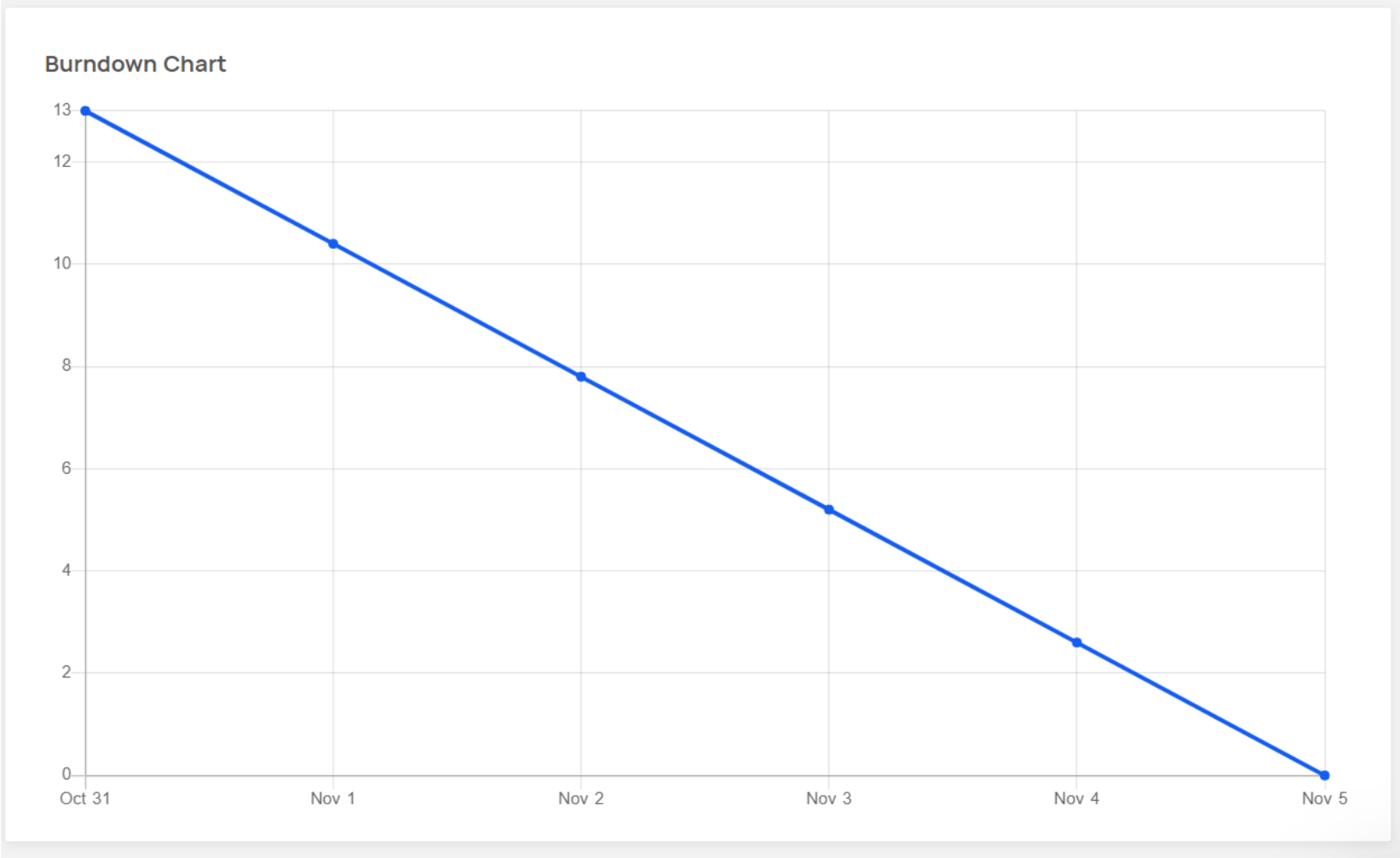| Sprint	Total Story Points	Duration	Average Velocity
Sprint-1	6	6 Days	6/6=1
Sprint-2	13	6 Days	13/6=2.16
Sprint-3	11	6 Days	11/6=1.83
Sprint-4	11	6 Days	11/6=1.83
Total	41	24	41/24=1.70

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.
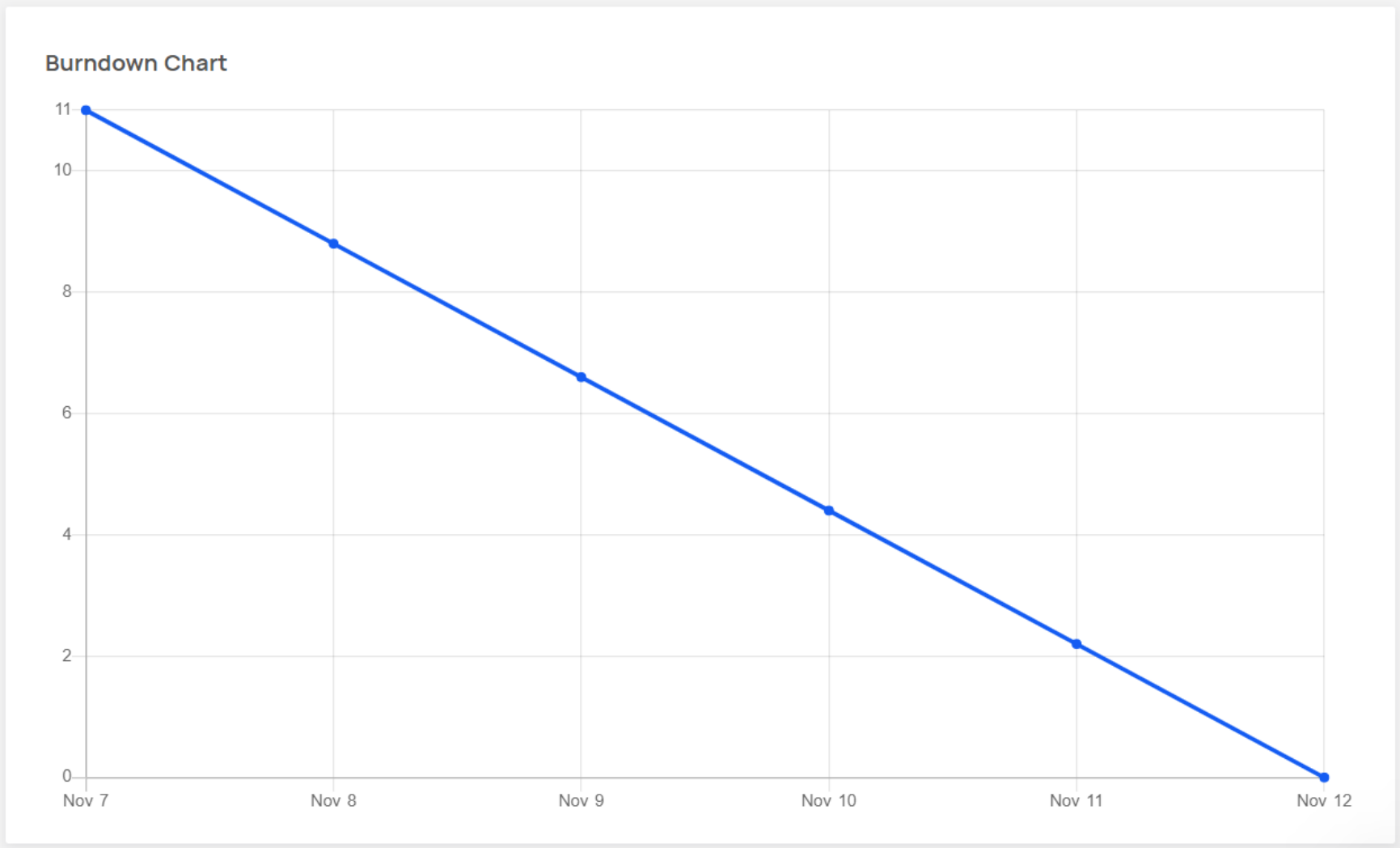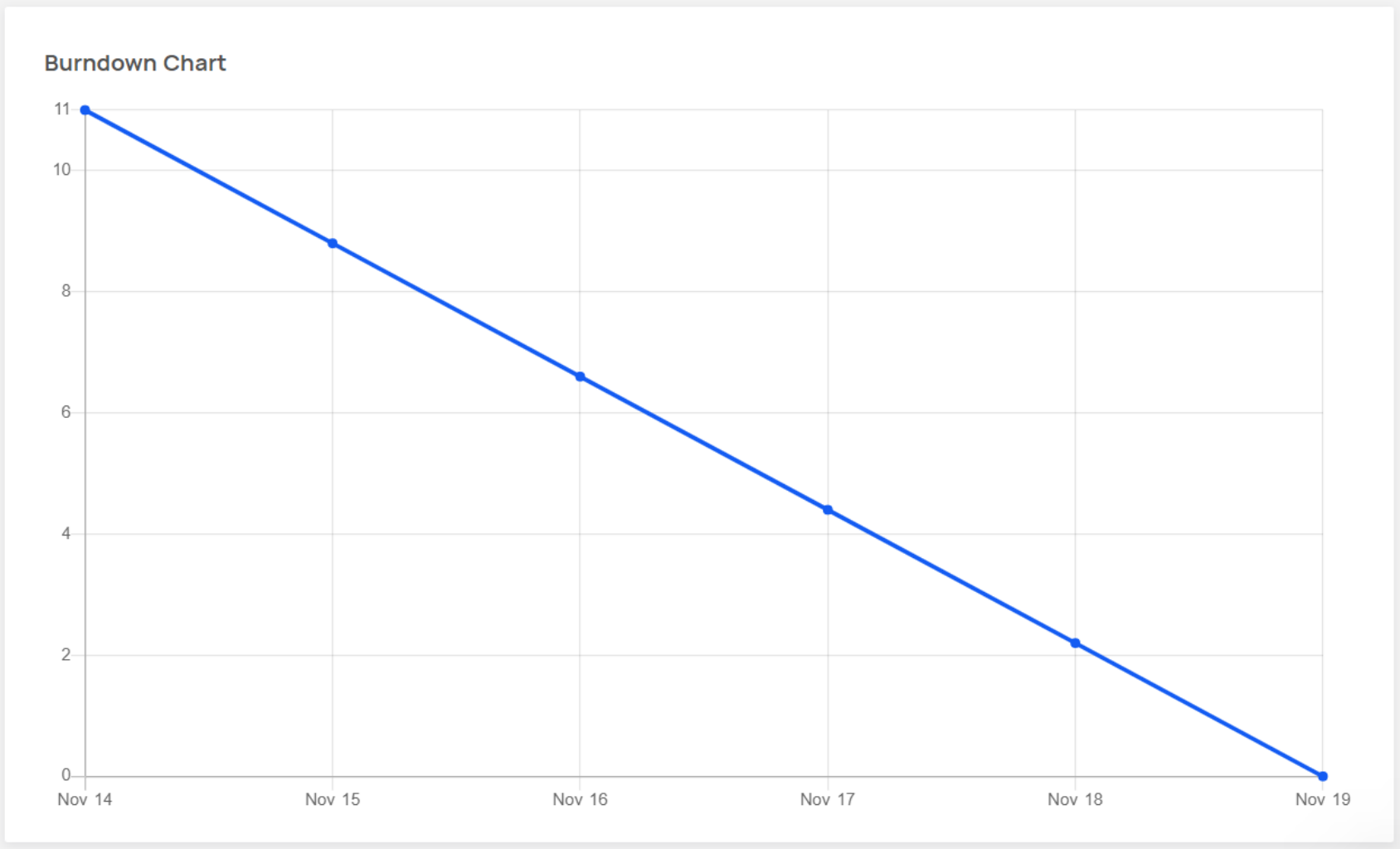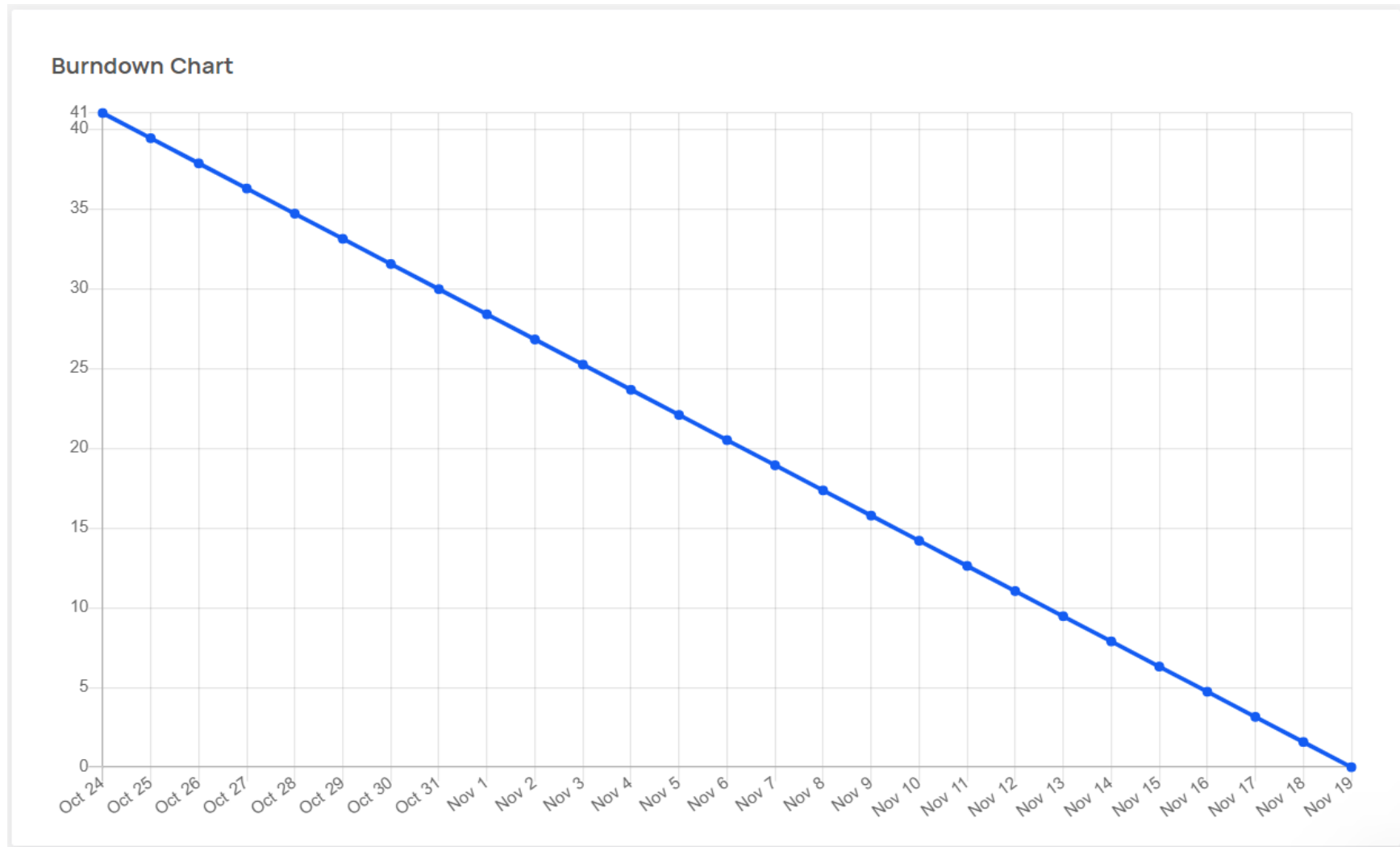
Estimated Effort:

Sprint-1:

Burndown Chart

Sprint-2:

Burndown Chart

Sprint-3:

Burndown Chart

Sprint-4:

Burndown Chart

Overall Burndown Chart:

Burndown Chart

Your work ∨   Projects ∨   Filters ∨   Dashboards ∨   People ∨   Apps ∨   Create

Search

Projects / Retail Store Stock Inventory Analytics Project

Roadmap

Give feedback   Share   Export   ⋯

PLANNING

Roadmap

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project
Learn more

Status category ∨

View settings

	T	NOV	DEC	JAN '23
⚡ RSSIAP-1 As a user, I can register for th...	▉			
⚡ RSSIAP-2 As a user, I will receive confir...	▉			
⚡ RSSIAP-3 As a user, I can register for th...	▉			
⚡ RSSIAP-5 As a user, I can log into the ap...	▉			
⚡ RSSIAP-4 As a user, I can register for th...	▉			
⚡ RSSIAP-6 As a user, I can view the dash...	▉			
⚡ RSSIAP-7 As a user, I can search the pro...	▉			
⚡ RSSIAP-8 As a user, I can view the prod...	▉			
⚡ RSSIAP-9 As a user, I can add/delete pr...		▉		
⚡ RSSIAP-10 As a user, I can generate rep...		▉		
⚡ RSSIAP-11 As a user, I can generate inv...		▉		
⚡ RSSIAP-12 As a user, I can predict out o...		▉		

Today   Weeks   Months   Quarters

Quickstart

Milestones and Activities:

MILESTONES	ACTIVITIES
Login	Register and login into dashboard
Dashboard	• View Stocks • Perform Predictions • Search Products
Updating Stocks	• View Products • Add Products • Delete Products
Visualization	Report generation • Out of stock prediction • In stock prediction
Billing	Invoice Generation