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

Team ID	PNT2022TMID05837
Project Name	Project - Retail Store Stock Inventory Analytics

Product Backlog, Sprint Schedule, and Estimation

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	Pranitha K, Sowmya R
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Princy T, Pranitha K
Sprint-2	Registration through Facebook	USN-3	As a user, I can register for the application through Facebook	2	Low	Princy T, Sowmya R
Sprint-1	Registration through Gmail	USN-4	As a user, I can register for the application through Gmail	2	Medium	Shanmugil C, Sowmya R
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Pranitha K, Sowmya R
Sprint-2	Dashboard	USN-6	As a user, I can view my dashboard and can perform stock prediction and analysis	3	High	Princy T, Pranitha K, Shanmugil C
Sprint-2	View list of stocks	USN-7	As a user I can view the list of categorized products and their details	4	High	Shanmugil C, Sowmya R
Sprint-2	Search products	USN-8	As a user I can search through the product using barcode	2	Medium	Pranitha K, Sowmya R
Sprint-3	Report generation	USN-9	As a user I can generate reports based on product sales	5	High	Princy T, Sowmya R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Stock Prediction	USN-10	As a user I can predict out of stock and lessstock for a product	5	High	Shanmugil C, Sowmya R
Sprint-4	Notification system	USN-11	As a user I can view notification for expired andout of stock products	4	High	Pranitha K, Sowmya R
Sprint-4	Re-Ordering stock	USN-12	As a user I can reorder stocks based on predictions and notification	3	High	Sowmya R, Princy T
Sprint-2	Updating stock	USN-13	As a user I can add/delete products	5	High	Pranitha K, Sowmya R, Shanmugil C
Sprint-4	Invoice generation	USN-14	As a user I can generate invoice calculatingtaxes, discount and calculate credits	4	High	Pranitha K, Sowmya R
Sprint-4	Discount system	USN-15	As a user I can provide discount based on creditpoints	3	Medium	Princy T, Shanmugil C

Project Tracker, Velocity & Burndown Chart:

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	16	6 Days	31 Oct 2022	05 Nov 2022	16	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022	14	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	16	6 Days	16/6=2.67
Sprint-3	10	6 Days	10/6=1.67
Sprint-4	14	6 Days	14/6=2.33
Total	46	24	46/24=1.91

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.
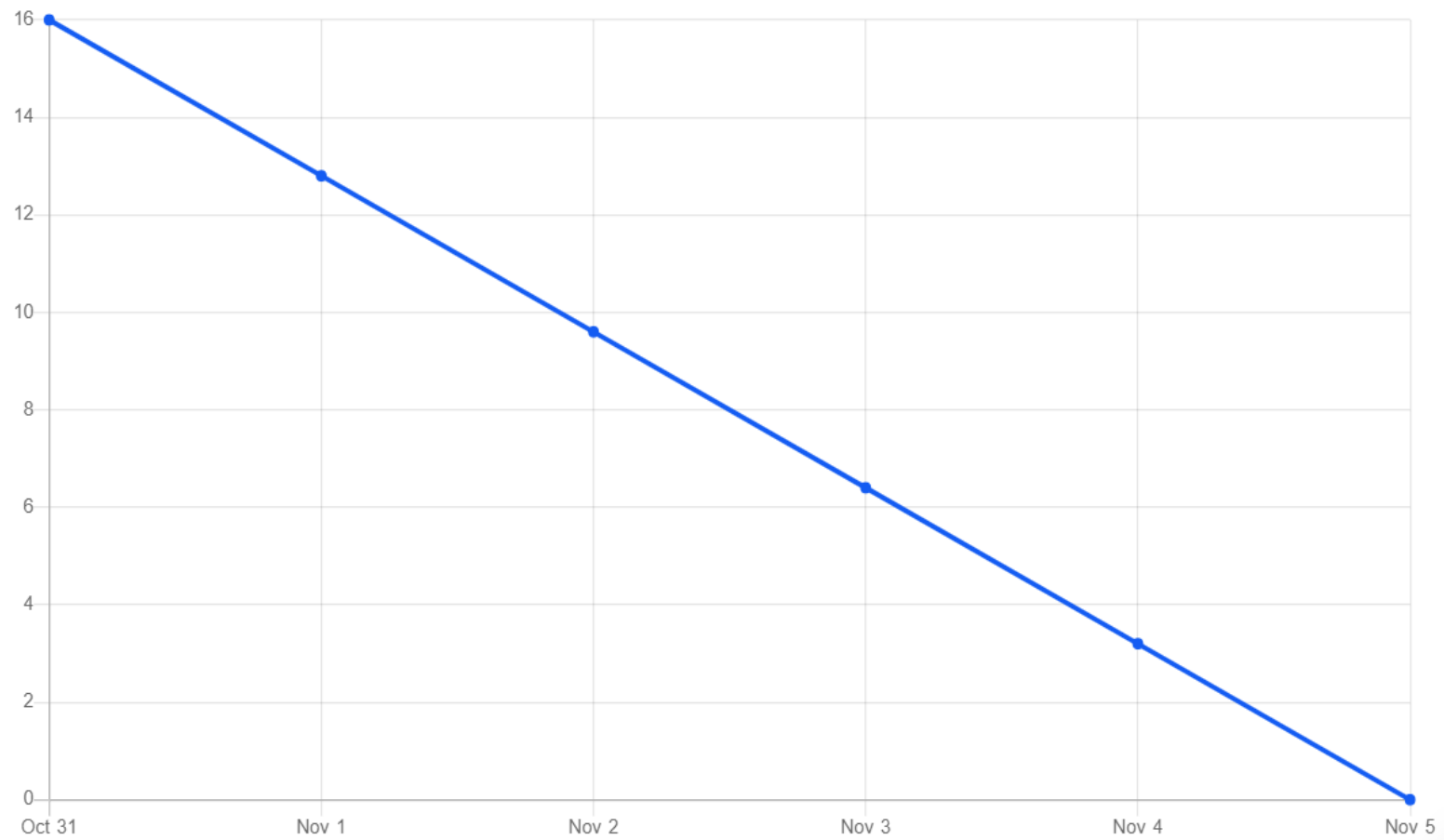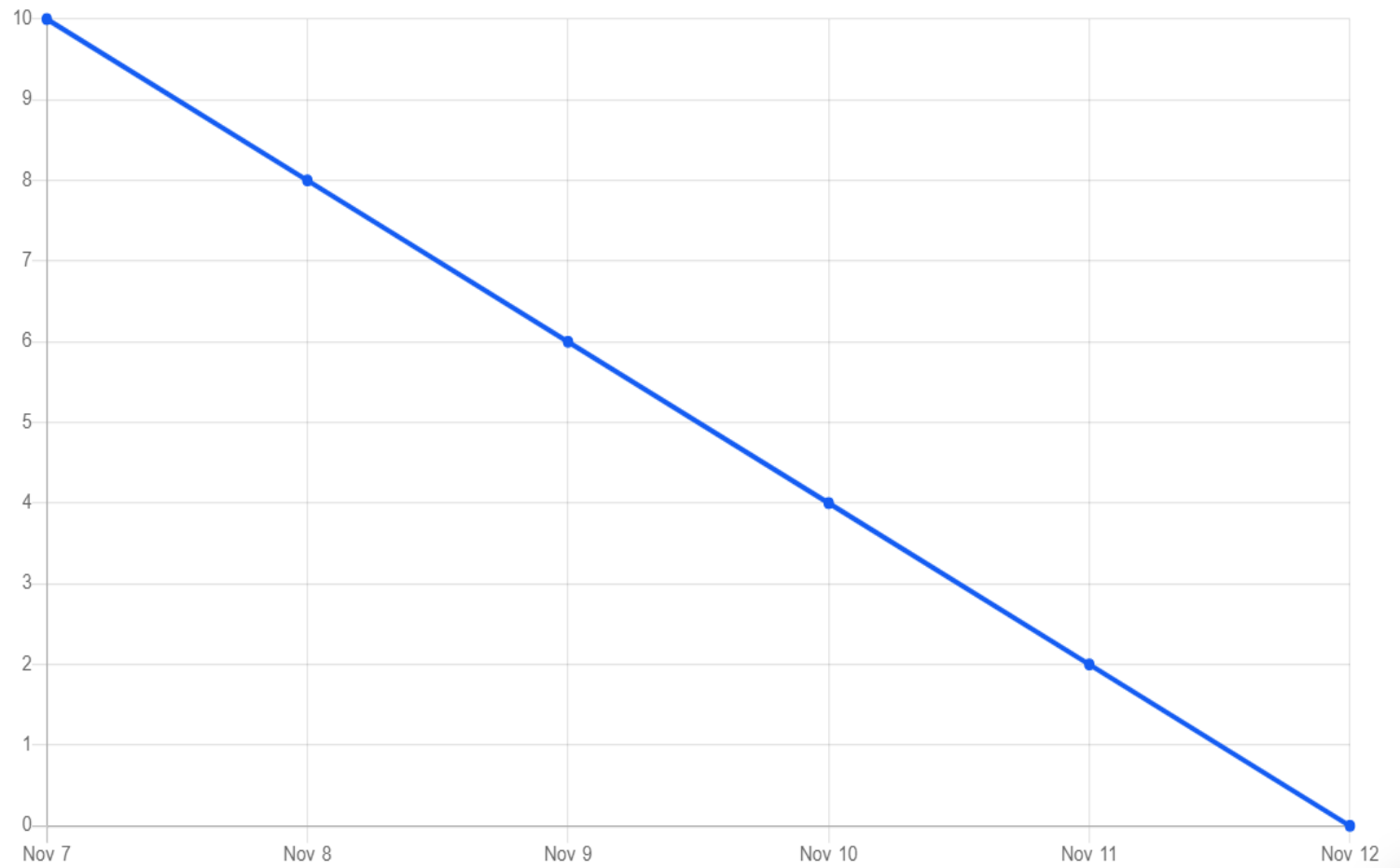
Estimated Effort:
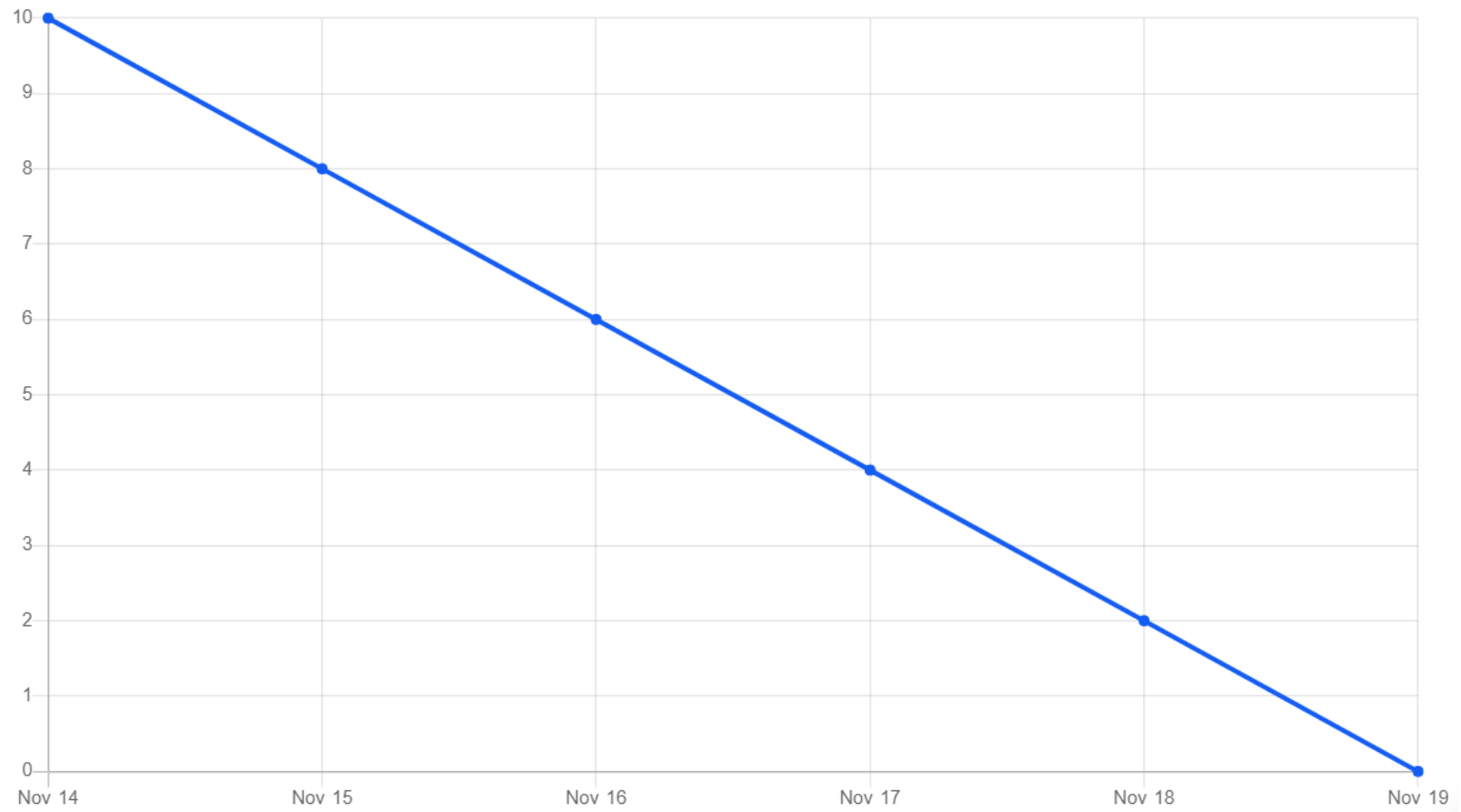
Sprint - 1:
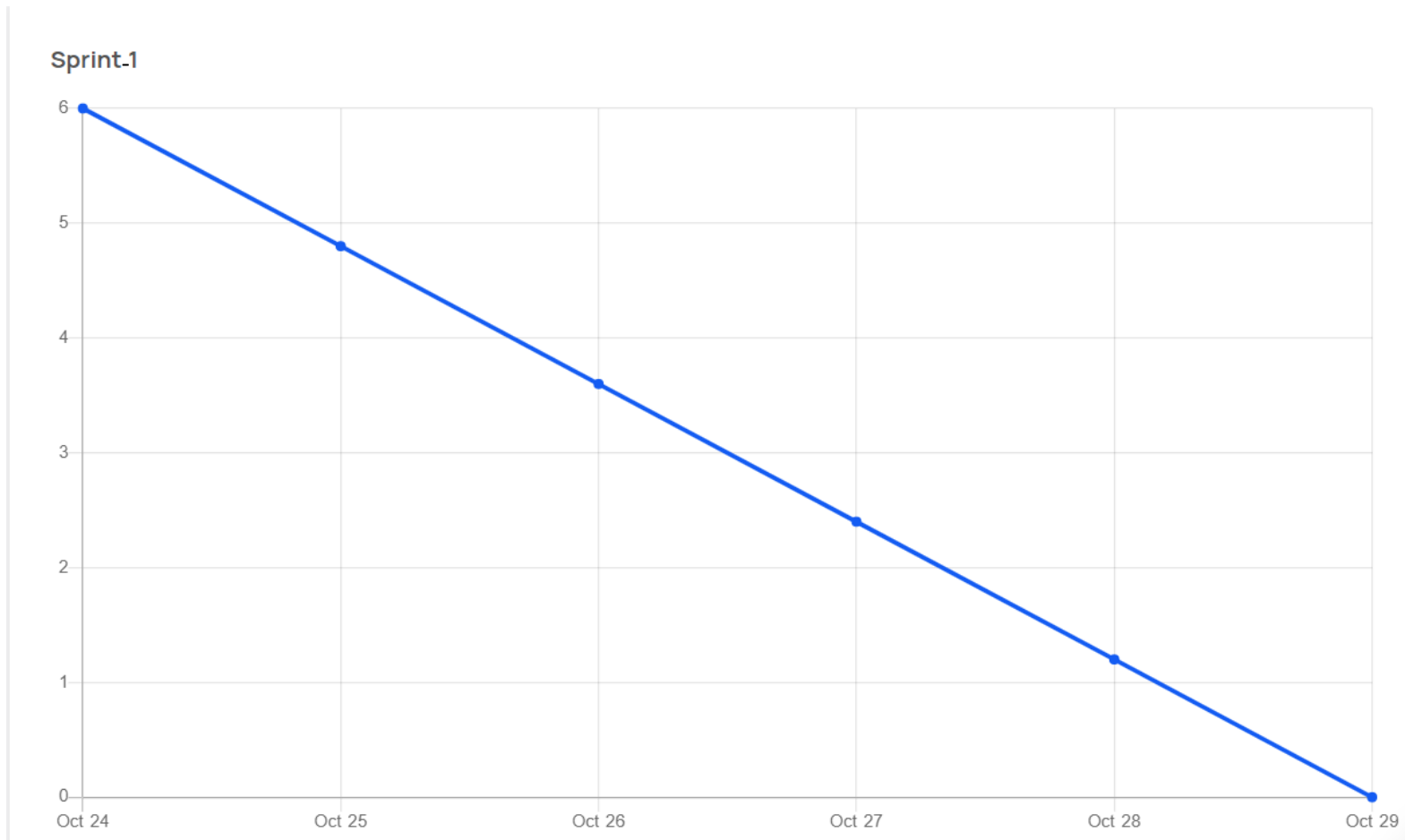
Sprint - 2:

Sprint-2

Sprint - 3:

Sprint-3

Sprint - 4:

Sprint-4

Overall burndown chart:

Overall
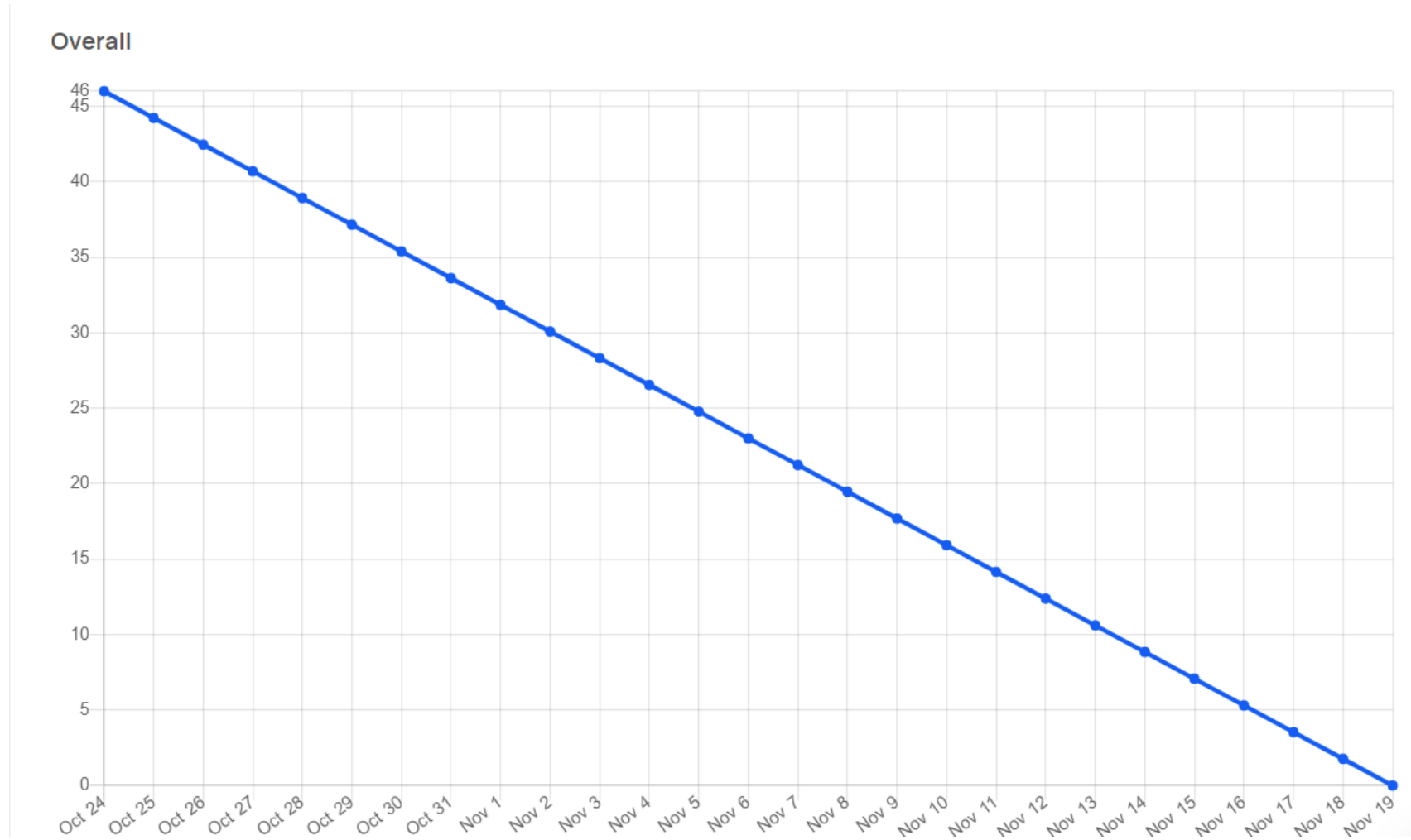
Project Planning Tool:

▦ Jira Your work ⌄ Projects ⌄ Filters ⌄ Dashboards ⌄ People ⌄ Apps ⌄ **Create**   Q Search
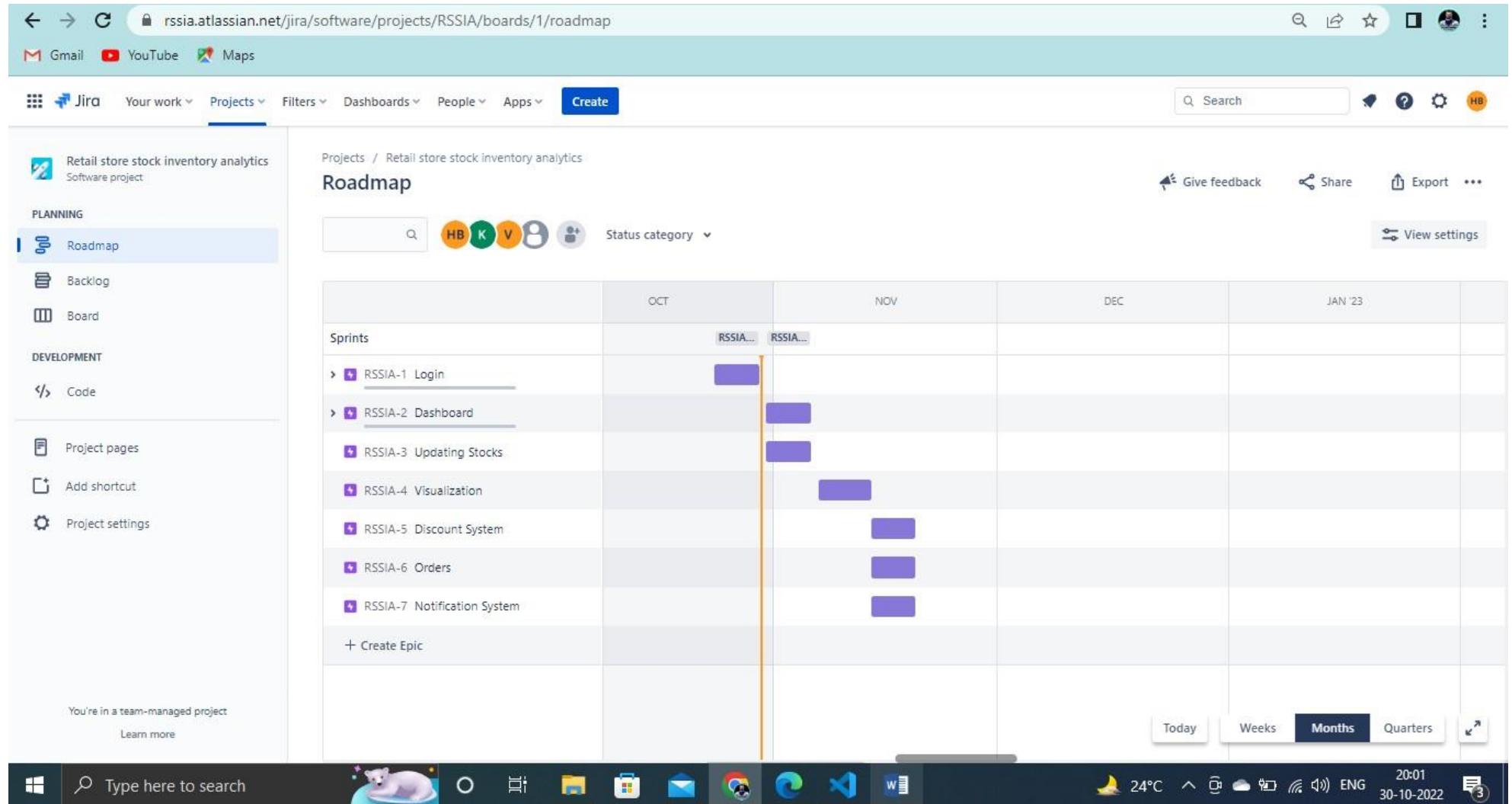
Retail store stock inventory analytics
Software project

PLANNING

⧉ Roadmap

📑 Backlog

▥ Board

DEVELOPMENT

</> Code

📄 Project pages

📑 Add shortcut

⚙ Project settings

You're in a team-managed project
Learn more

Projects / Retail store stock inventory analytics
Backlog
                                                                                              ···

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⌄ **RSSIA Sprint 1** 24 Oct – 29 Oct (3 issues)   3 ⓪ ⓪ **Start sprint** ···

🔲 RSSIA-8 As a user, I can register for the application by entering my email, password, and confirming my password. LOGIN   TO DO ⌄ HB

🔲 RSSIA-9 As a user, I will receive confirmation email once I have registered for the application LOGIN   TO DO ⌄ K

🔲 RSSIA-10 As a user, I can log into the application by entering email & password LOGIN   TO DO ⌄ V

+ Create issue

⌄ **RSSIA Sprint 2** 31 Oct – 5 Nov (2 issues)   2 ⓪ ⓪ Start sprint ···

🔲 RSSIA-11 As a user, I can view my dashboard and can perform stock prediction and analysis DASHBOARD   TO DO ⌄ K

🔲 RSSIA-12 As a user I can view the list of categorized products and their details DASHBOARD   TO DO ⌄ HB

+ Create issue

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Milestones and Activities:

MILESTONES	ACTIVITIES
Login	• 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
Discount system	• Discounts based on credits • Invoice generation
Orders	• Reorder Stock
Notification system	• Notification upon critical stock