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

Date	24 October 2022
Team ID	PNT2022TMID01375
Project Name	Retail Store Stock Inventory Analytics
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	Data Collection	USN-1	The dataset is collected and the understanding of dataset is done to present the analytics to the user.	2	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-1	Data Cleaning	USN-2	As a user, I can view the accurate analytics by cleaned data. The cleaning of data is done to handle the null values and to remove the outliers.	3	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-2	Data Exploration	USN-3	As a user, I can view the visualized data to get the better understanding about the sales, stock, revenue and price.	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-3	Dashboard Creation	USN-4	As a user, I can view the different visualization in the dashboard about the sales, stock, revenue and price.	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Report creation	USN-5	As a user, I can view the detailed report of the sales, stock, revenue and price. The user can get the report of the particular data.	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-4	Story creation	USN-6	As a user, I can view the story to get the better understanding of the sales, stock, revenue and price. The user can make decisions based on the story.	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha

Project Tracker, Velocity & Burndown Chart: (4 Marks)

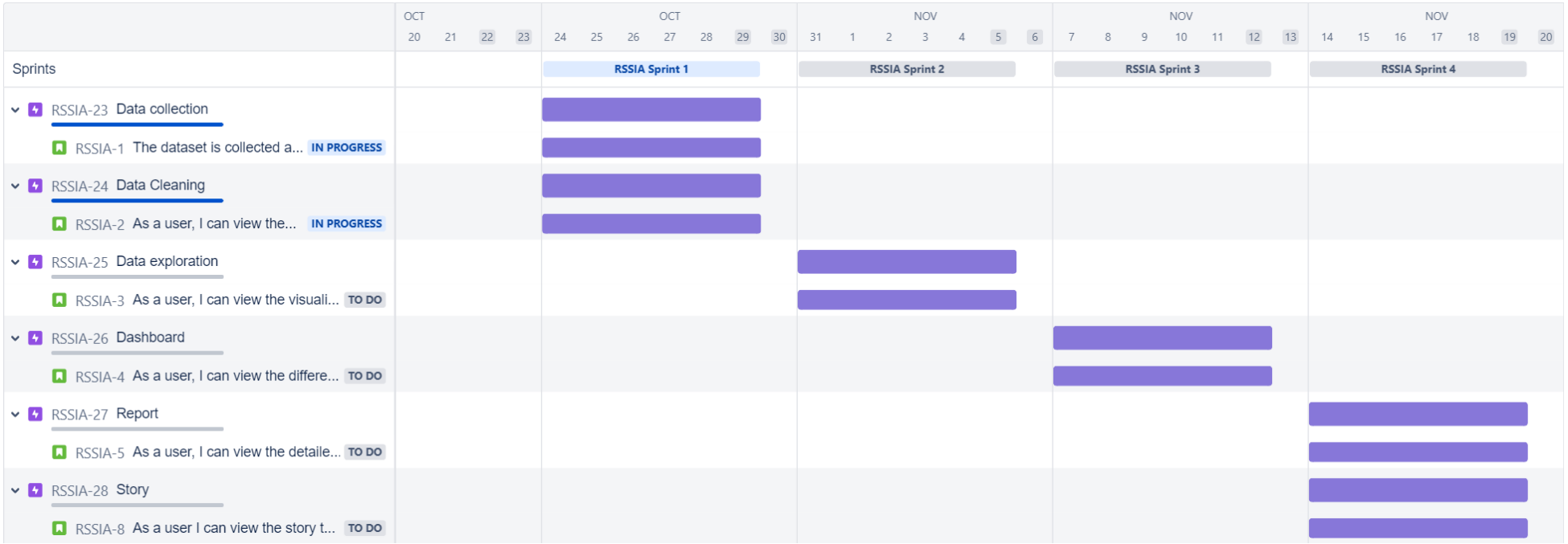
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	16	6 Days	14 Nov 2022	19 Nov 2022	16	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)

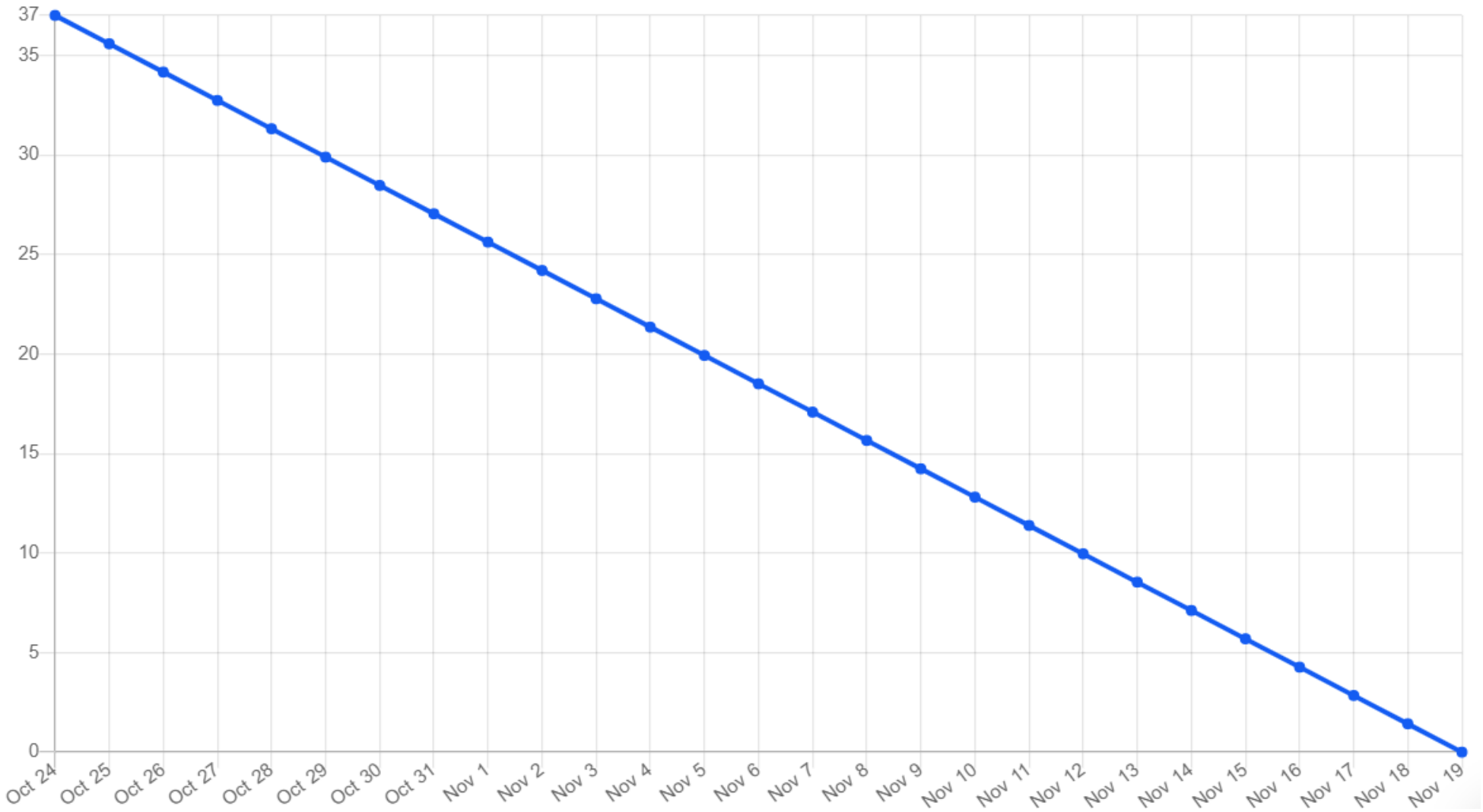
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Sprint	Story points	Duration	Average velocity
Sprint-1	5	6	0.83
Sprint-2	8	6	1.33
Sprint-3	8	6	1.33
Sprint-4	16	6	2.66
Total	37	24	1.54

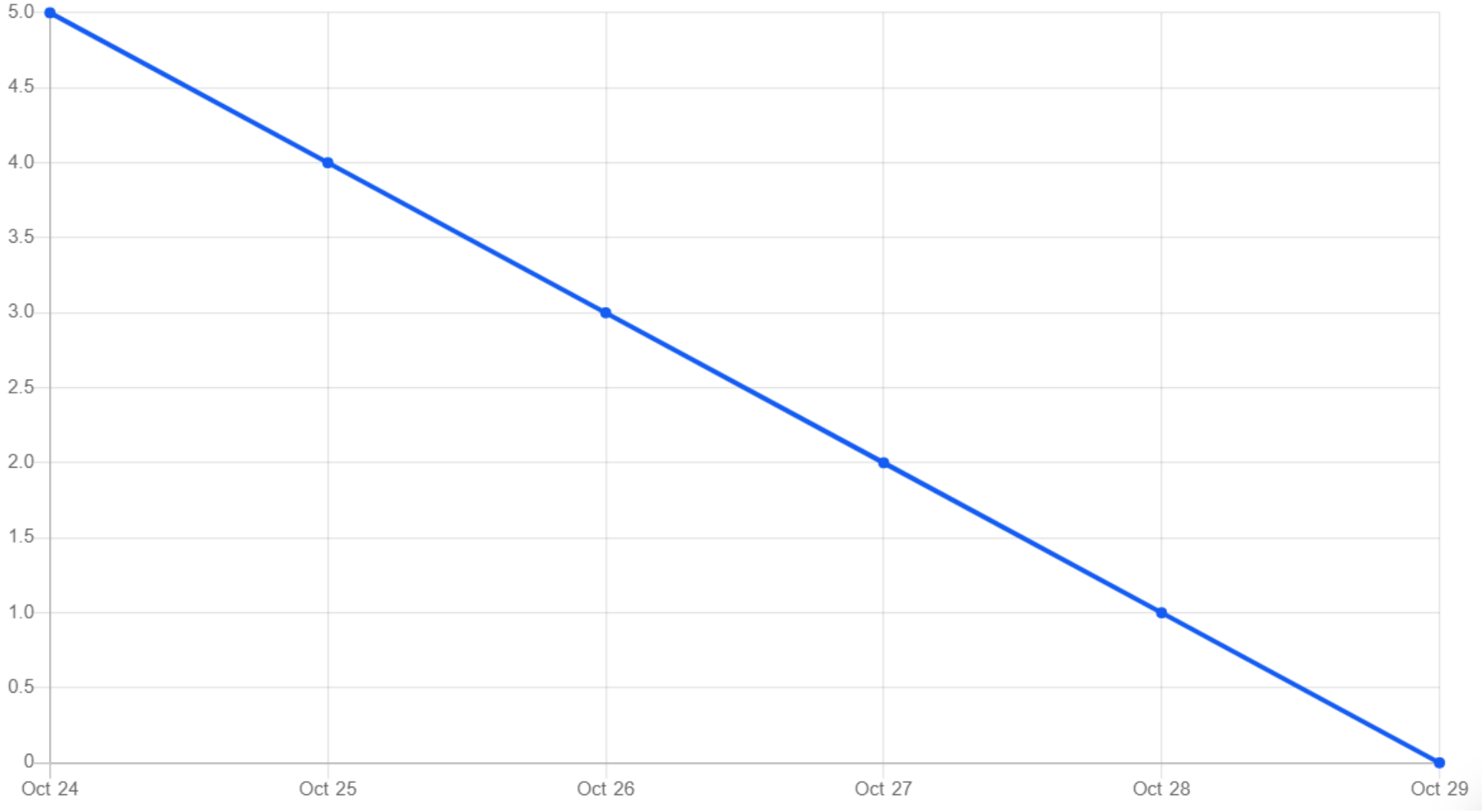
Jira project planning:



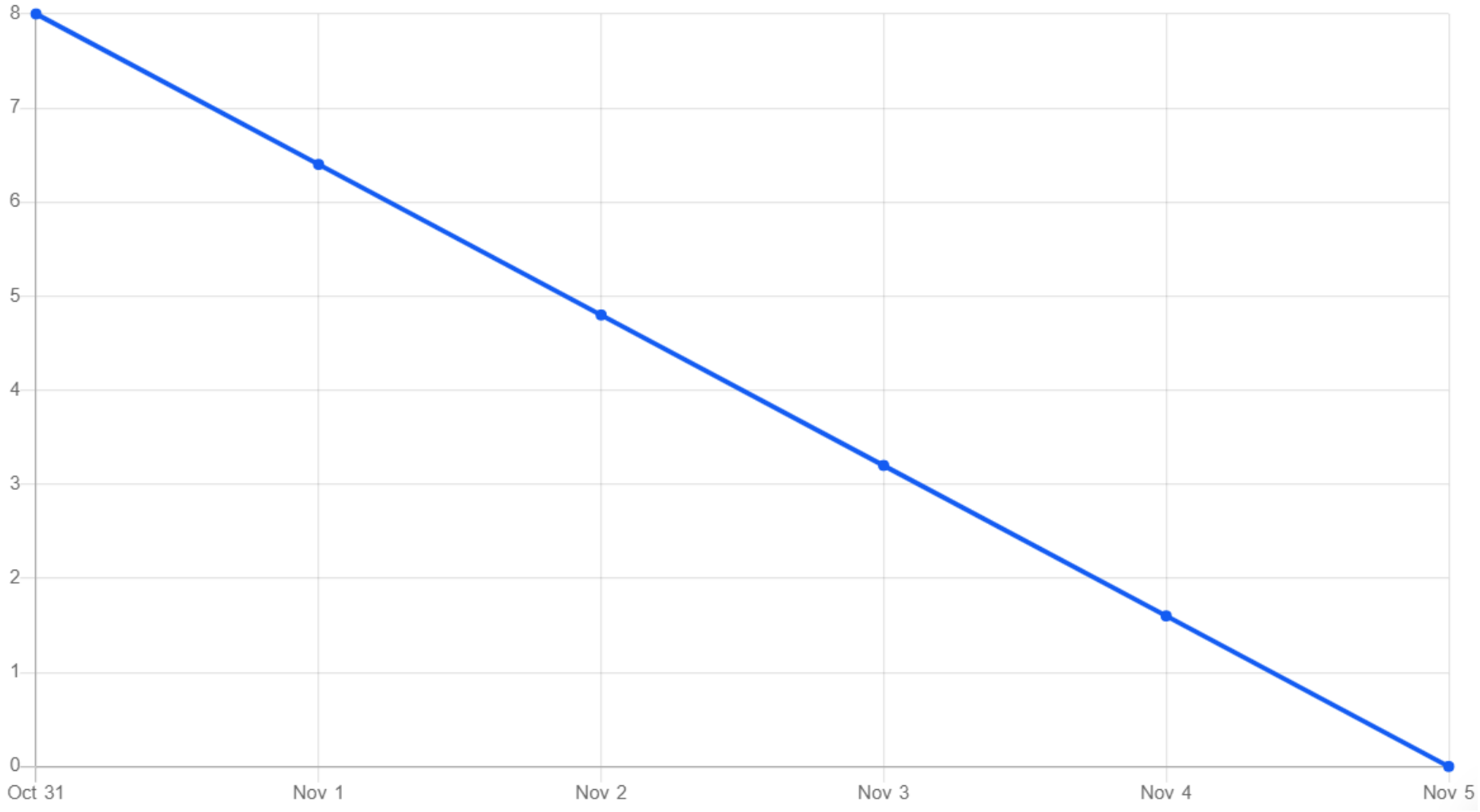
Burndown Chart:



Sprint-1


5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0
Oct 24
Oct 25
Oct 26
Oct 27
Oct 28
Oct 29

Sprint-2



Sprint-3

Sprint-4