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. The dataset is collected from the external API.	2	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-1	Data Preparation	USN-2	As a user, I can view the accurate analytics of data by prepared data. The data preparation is done to restructure and clean the data.	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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Web application	USN-4	As a user I can enter into web application and view the dashboard.	3	HIgh	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-3	Dashboard Creation	USN-5	As a user, I can view the different visualization in the dashboard about the sales, stock, revenue and price.	5	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-4	Report creation	USN-6	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-7	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:

		OCT							NOV							NOV							NOV						
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Sprints		RSSIA Sprint 1							RSSIA Sprint 2							RSSIA Sprint 3							RSSIA Sprint 4							
› RSSIA-23 Data collection		████████████																												
› RSSIA-24 Data Cleaning		████████████																												
› RSSIA-25 Data exploration									██████████																					
› RSSIA-26 Dashboard																████████														
› RSSIA-27 Report																							████████							
› RSSIA-28 Story																							████████							
› RSSIA-30 Web application																████████														
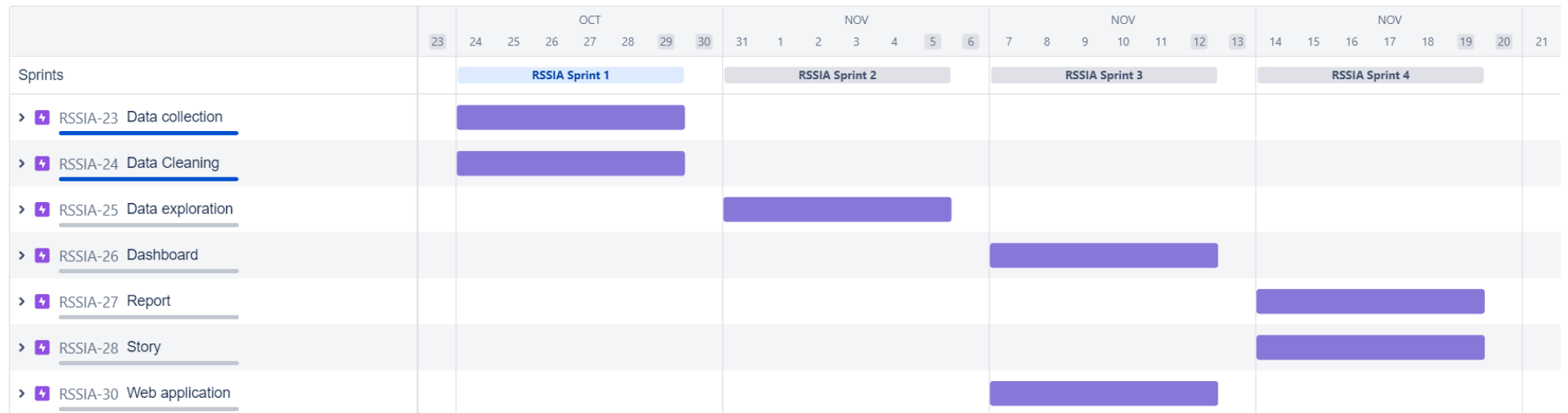
Projects / Retail Store Stock Inventory Analytics

Backlog

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🔍 ⬚   SA 👤⁺   Epic ⌄   📈 Insights

RSSIA Sprint 1 24 Oct – 29 Oct (2 issues)   0 **5** 0   **Complete sprint** ···
Login page

🔖 RSSIA-1 The dataset is collected and the understanding of dataset is done to present the analytics to the user. `DATA COLLECTION`   2   IN PROGRESS ⌄   👤

🔖 RSSIA-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... `DATA CLEANING`   3   IN PROGRESS ⌄   👤

＋ Create issue

RSSIA Sprint 2 31 Oct – 5 Nov (1 issue)   8 **0** 0   **Start sprint** ···
Data visualization

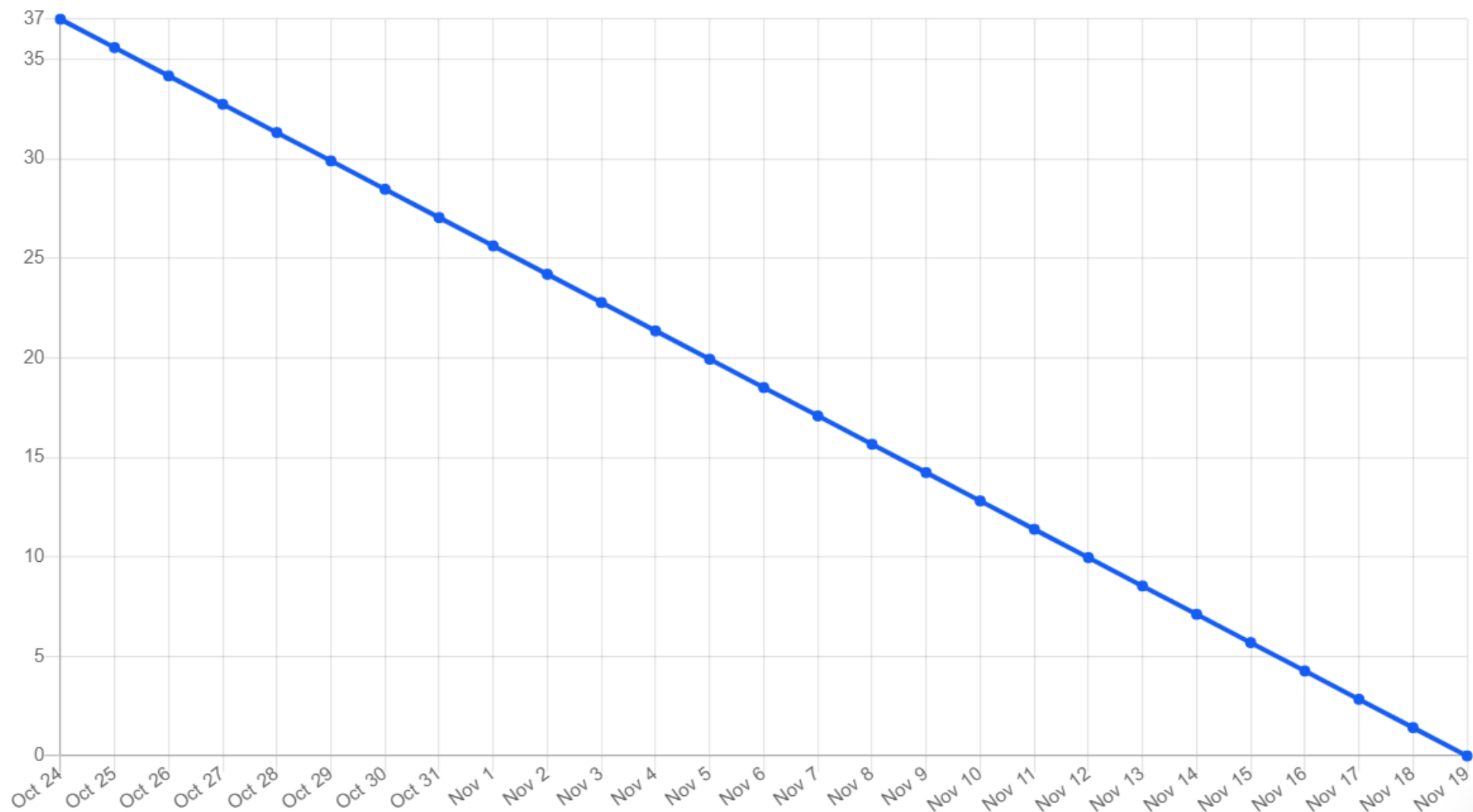🔖 RSSIA-3 As a user, I can view the visualized data to get the better understanding about the sales, stock, revenue and price. `DATA EXPLORATION`   8   TO DO ⌄   👤
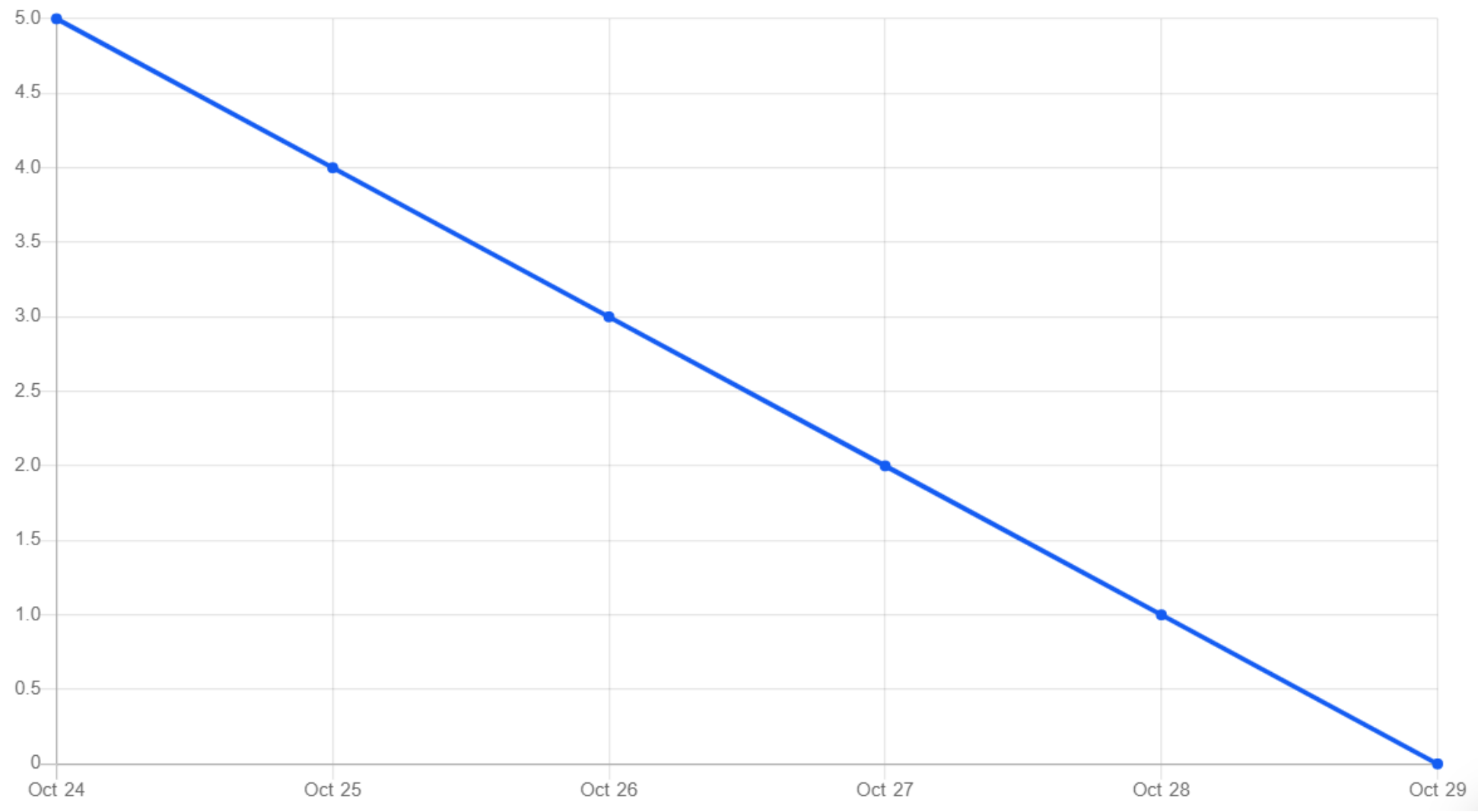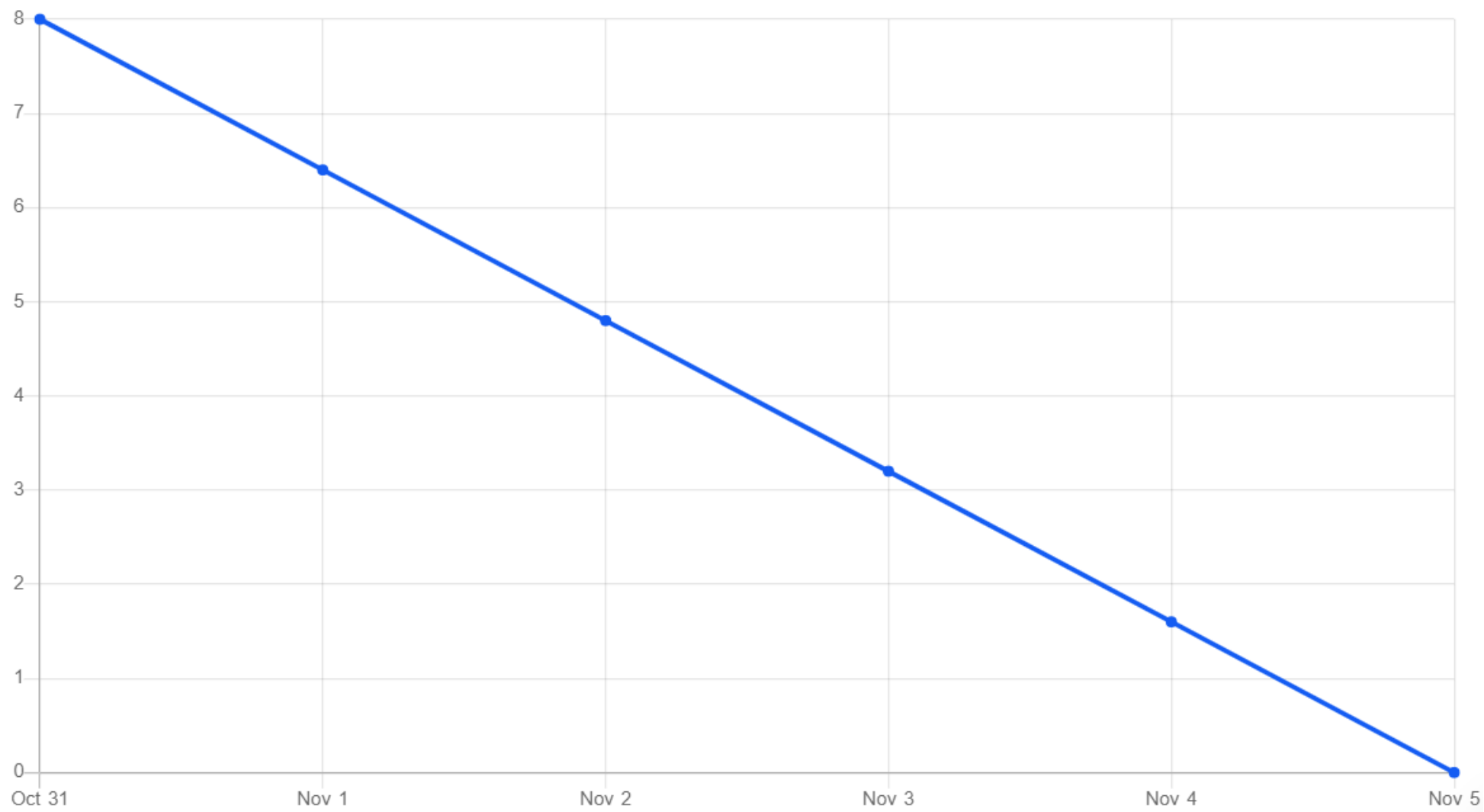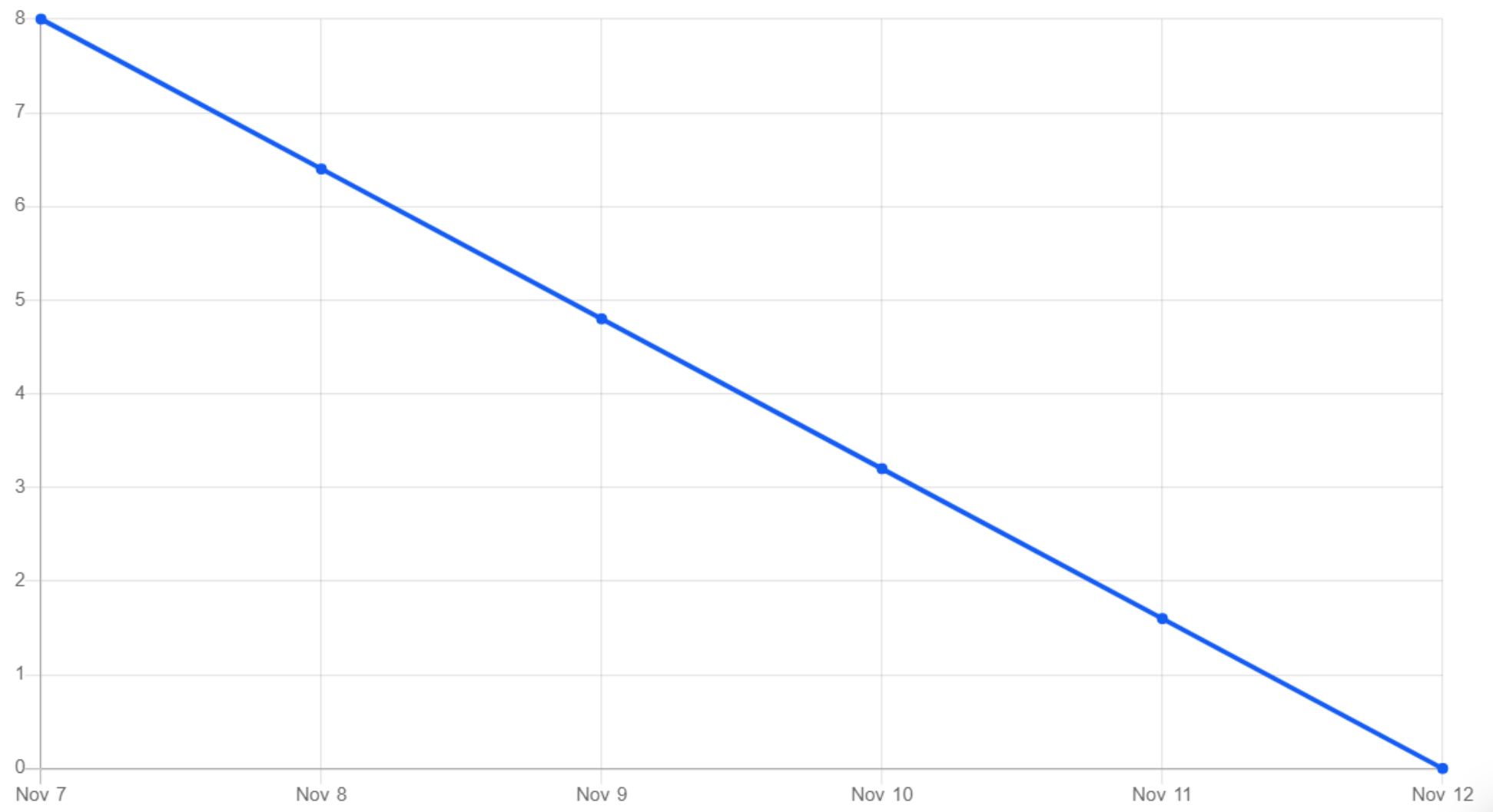
＋ Create issue

Burndown Chart:

Sprint-1

Sprint-2

Sprint-3

Sprint-4