PROJECT PLANNING PHASE

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

Date	22 October 2022
Team ID	PNT2022TMID38367
Project Name	Visualizing and Predicting Heart Disease with an Interactive Dashboard
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	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P

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	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P
Sprint-2	Data Exploration	USN-3	As a user, I can view the visualized data to get the better understanding about the Heart Disease	8	High	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P
Sprint-3	Dashboard Creation	USN-4	As a user, I can view the different visualizations and predicting the Heart Disease in the dashboard.	8	High	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P

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 get the automated prediction about the Heart condition. It can also answer the complex queries for diagnosing heart disease.	8	High	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P
Sprint-4	Story creation	USN-6	As a user, I can view the story to get the better understanding of the Heart condition. It can be helpful to health care practitioners to make intelligent clinical decisions based on the story.	8	High	VIDYA V SREE PRIYA. R PUNITHA KAVITHRA. G DEEPASHREE.P

	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

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

Velocity:

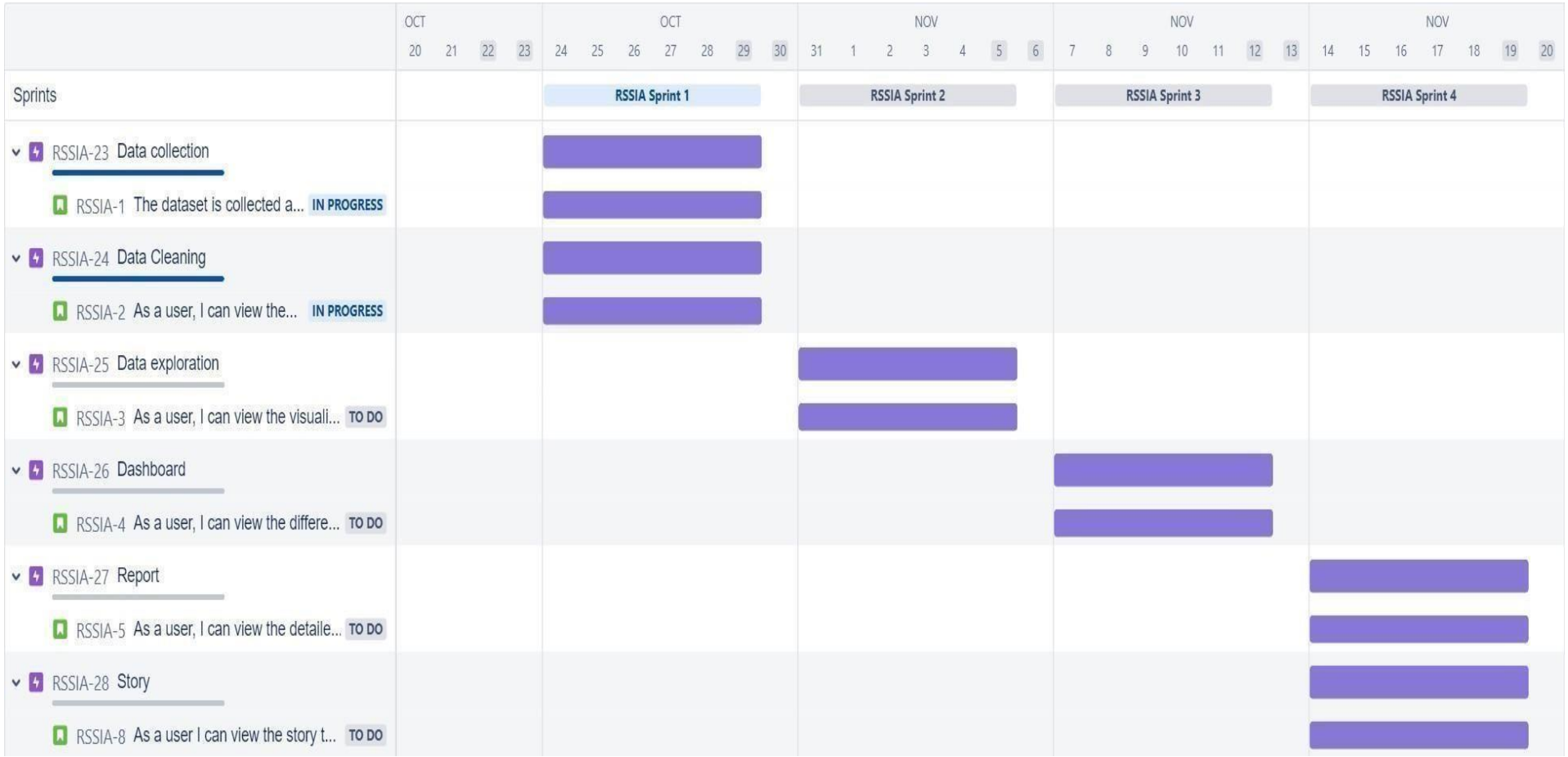
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Sprint	Story points	Duration	

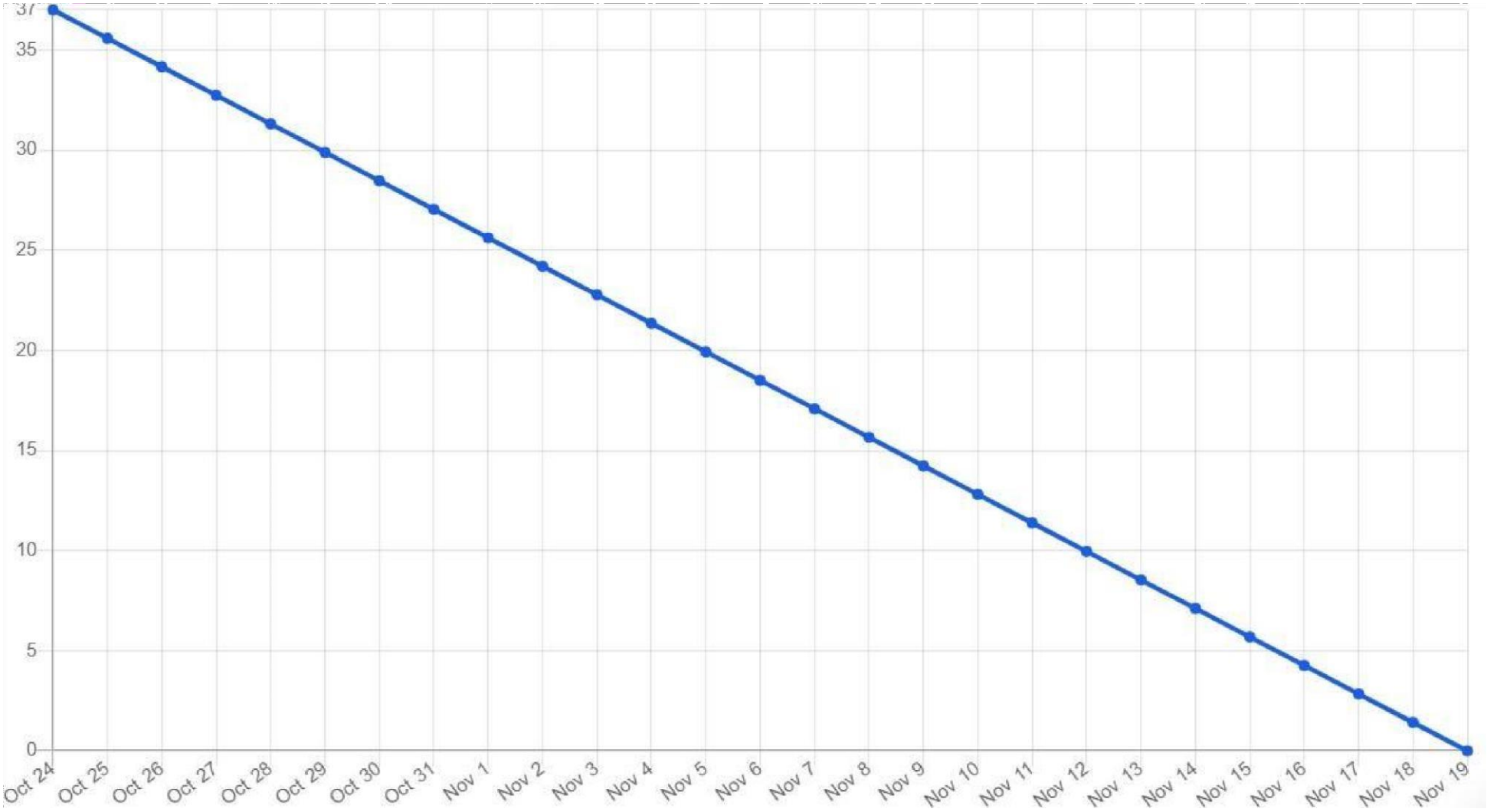
			Average velocity
Sprint-1	5	6	**0.83**
Sprint-2	8	6	**1.33**
Sprint-3	8	6	**1.33**
Sprint-4	16	6	**2.66**
Total	**37**	**24**	**1.54**

Jira project planning:



Burndown Chart:

Overall Burndown Chart: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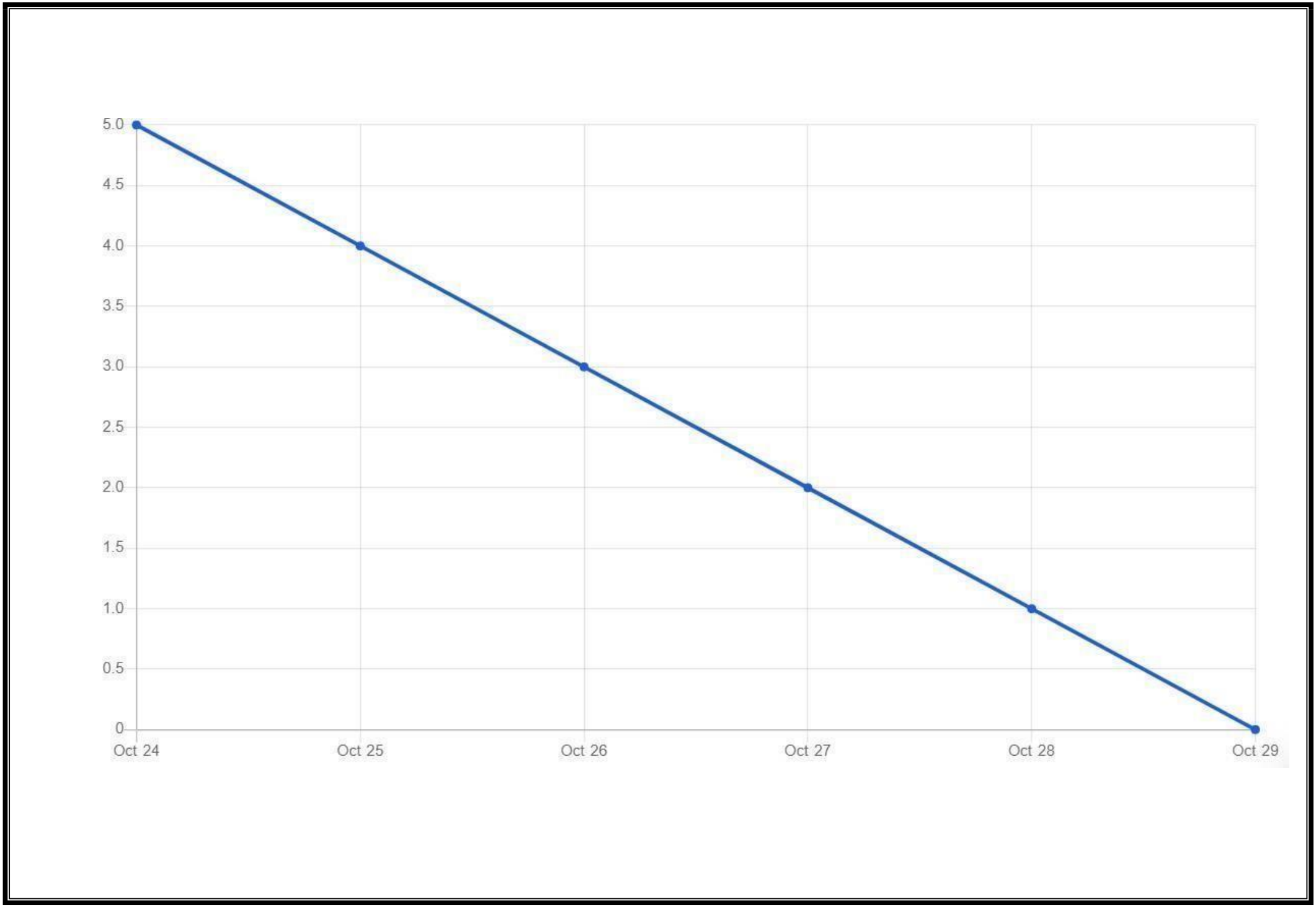
Sprint-1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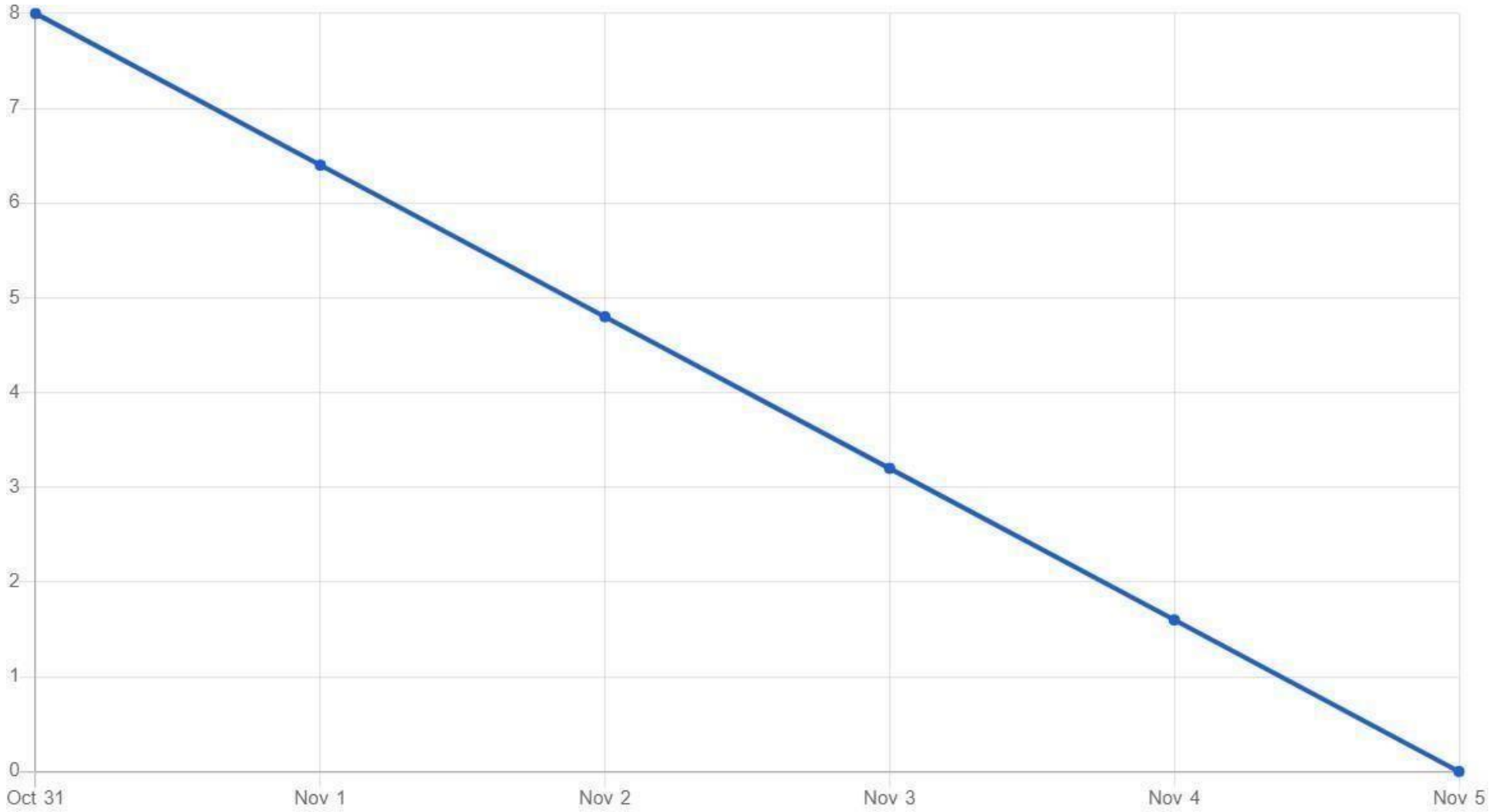
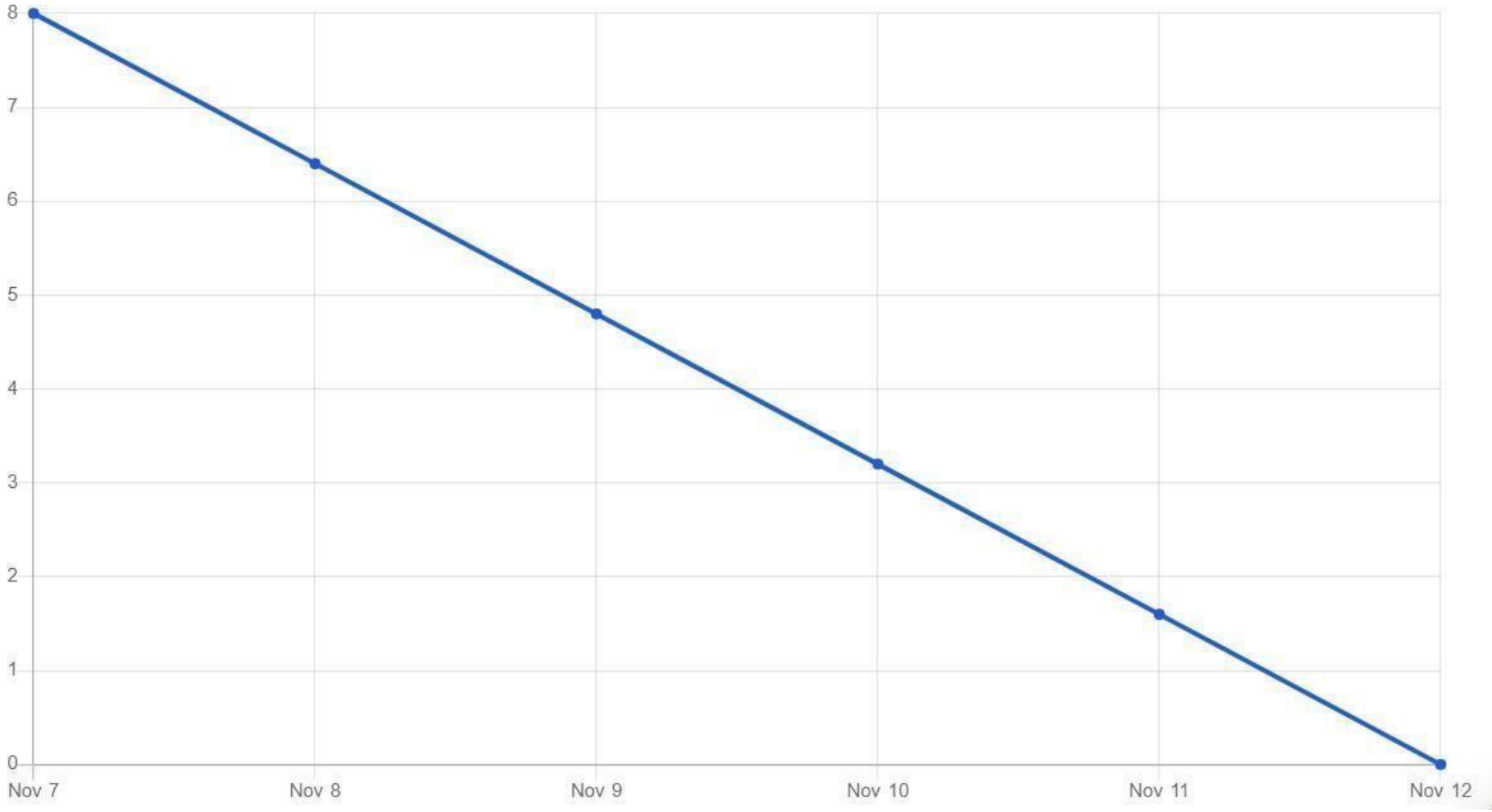
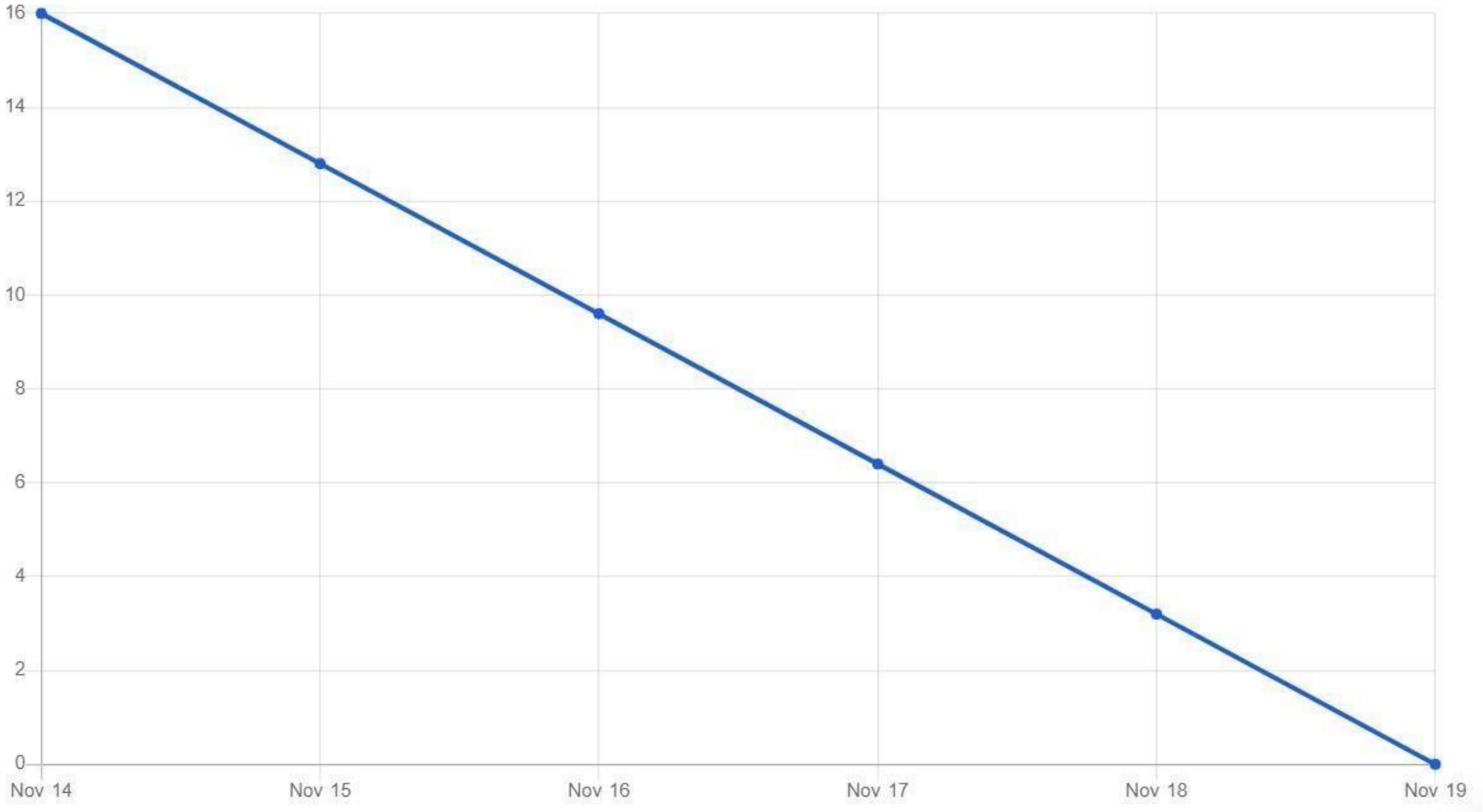
Sprint-2



Sprint-3



Sprint-4