

## Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID16620
Project Name	Retail Store Stock Inventory Analytics
Maximum marks	8

#### Product backlogs, Sprint schedule, 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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U
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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U
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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U

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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U
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<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U
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	Pandiyan A Mohammed Sabri S Nagaprakash E Naveen Kumar U

### 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)

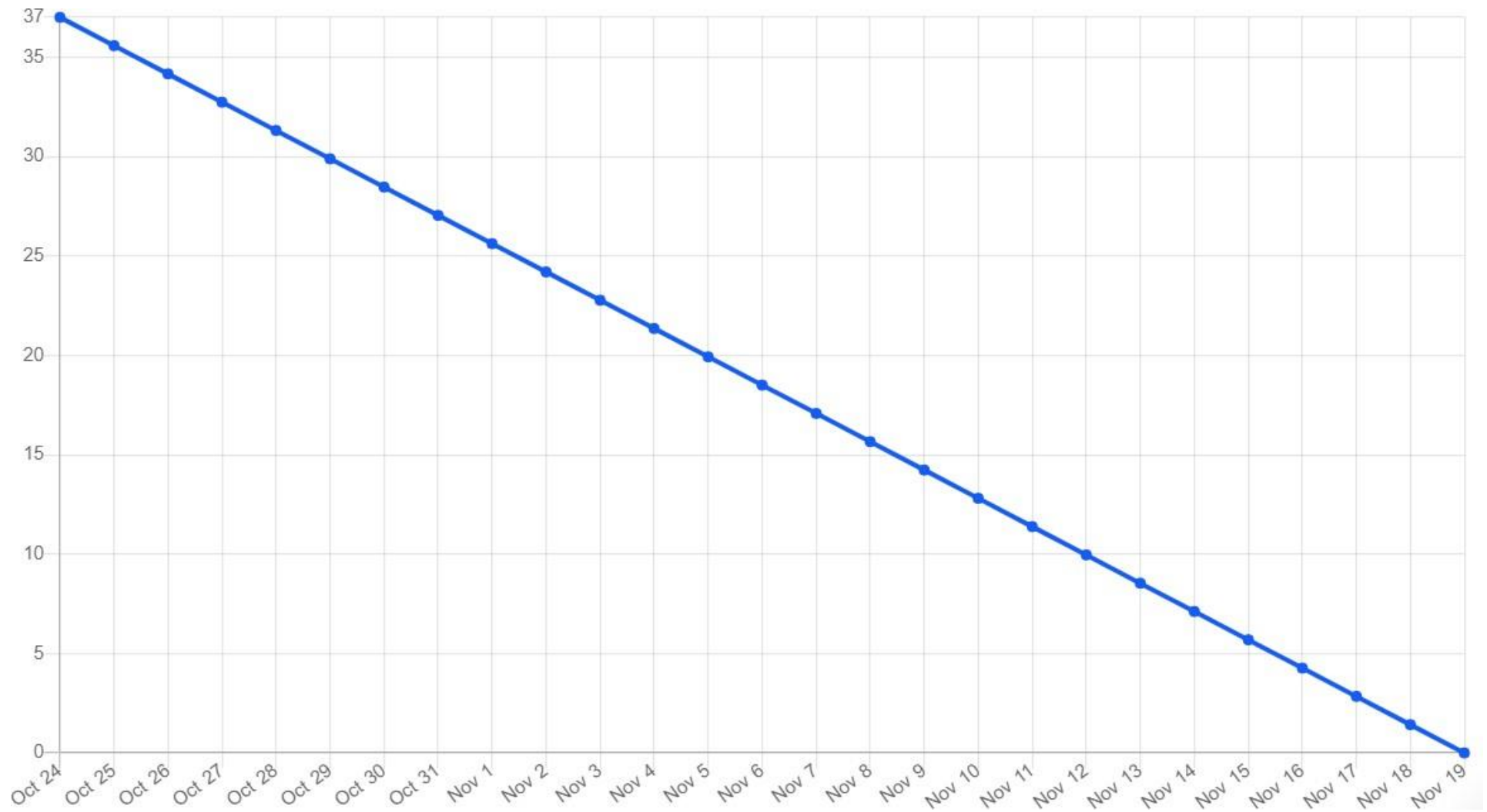
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

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

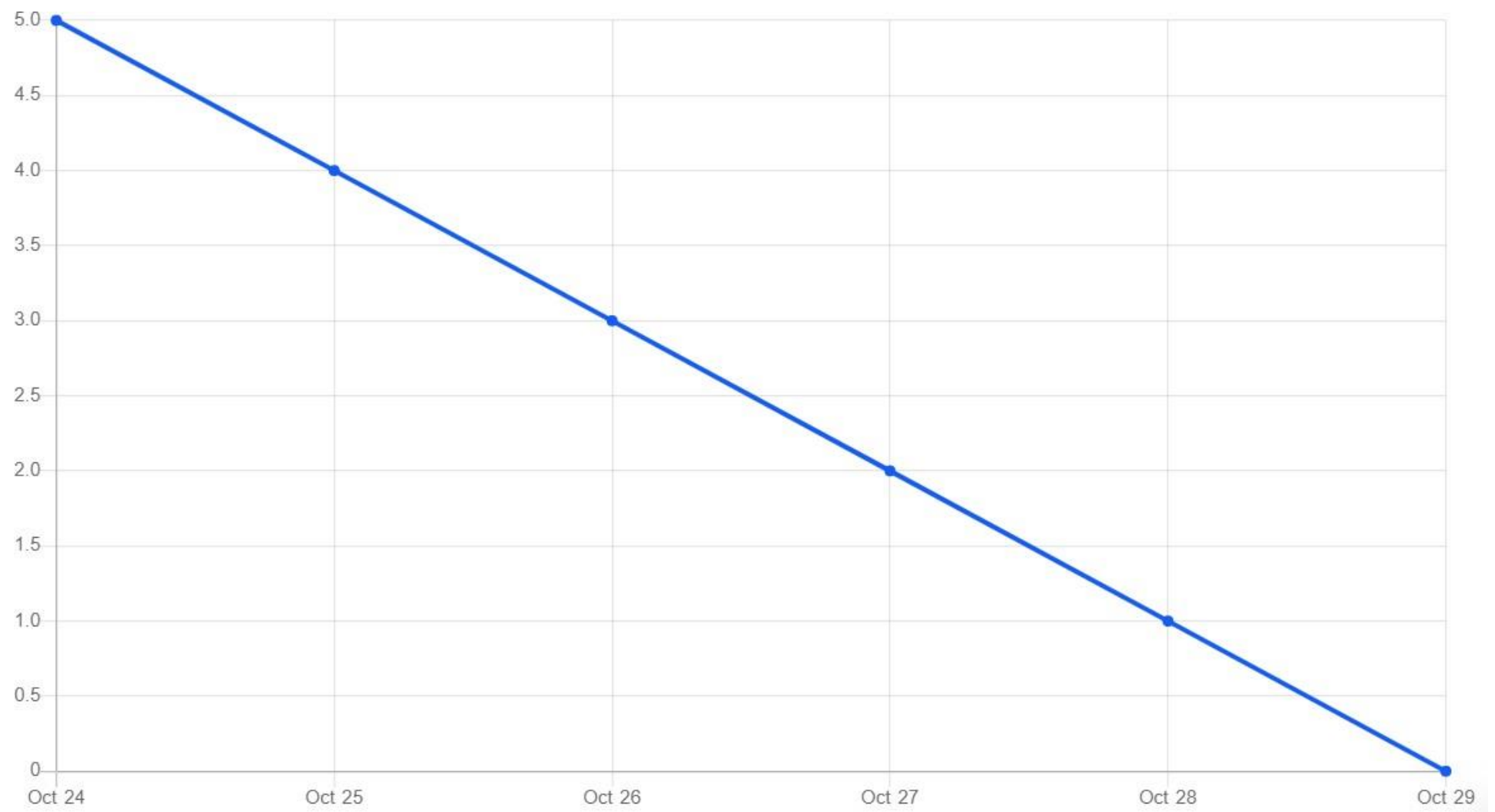
Jira project planning:

	OCT				OCT						NOV						NOV						NOV									
	20	21	22	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
Sprints					RSSIA Sprint 1						RSSIA Sprint 2						RSSIA Sprint 3						RSSIA Sprint 4									
▼  RSSIA-23 <u>Data collection</u>					<div></div>																											
 RSSIA-1 The dataset is collected a... <span>IN PROGRESS</span>					<div></div>																											
▼  RSSIA-24 <u>Data Cleaning</u>					<div></div>																											
 RSSIA-2 As a user, I can view the... <span>IN PROGRESS</span>					<div></div>																											
▼  RSSIA-25 <u>Data exploration</u>											<div></div>																					
 RSSIA-3 As a user, I can view the visuali... <span>TO DO</span>											<div></div>																					
▼  RSSIA-26 <u>Dashboard</u>																	<div></div>															
 RSSIA-4 As a user, I can view the differe... <span>TO DO</span>																	<div></div>															
▼  RSSIA-27 <u>Report</u>																							<div></div>									
 RSSIA-5 As a user, I can view the detaile... <span>TO DO</span>																							<div></div>									
▼  RSSIA-28 <u>Story</u>																							<div></div>									
 RSSIA-8 As a user I can view the story t... <span>TO DO</span>																							<div></div>									

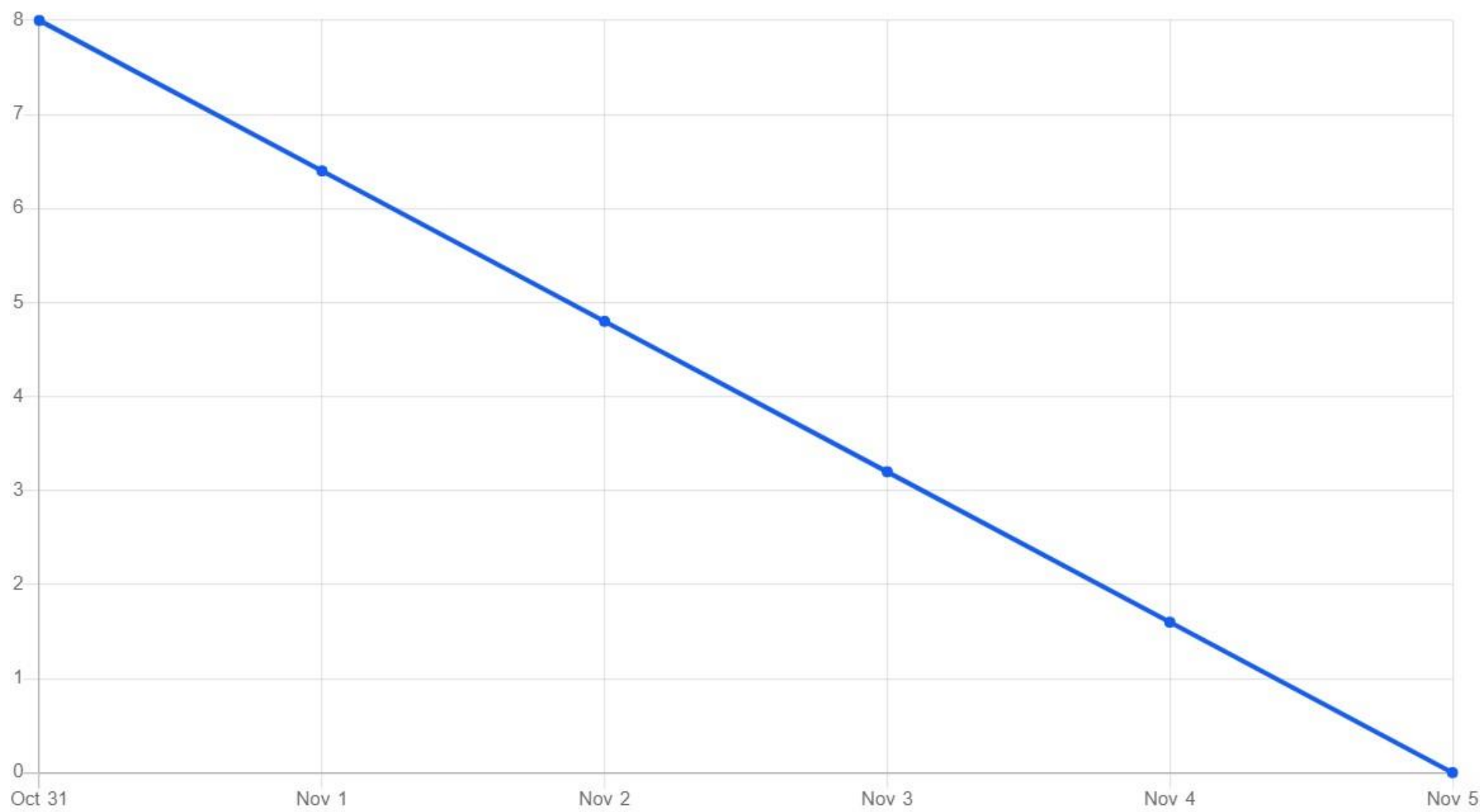
**Burndown Chart:**



**Sprint-1**

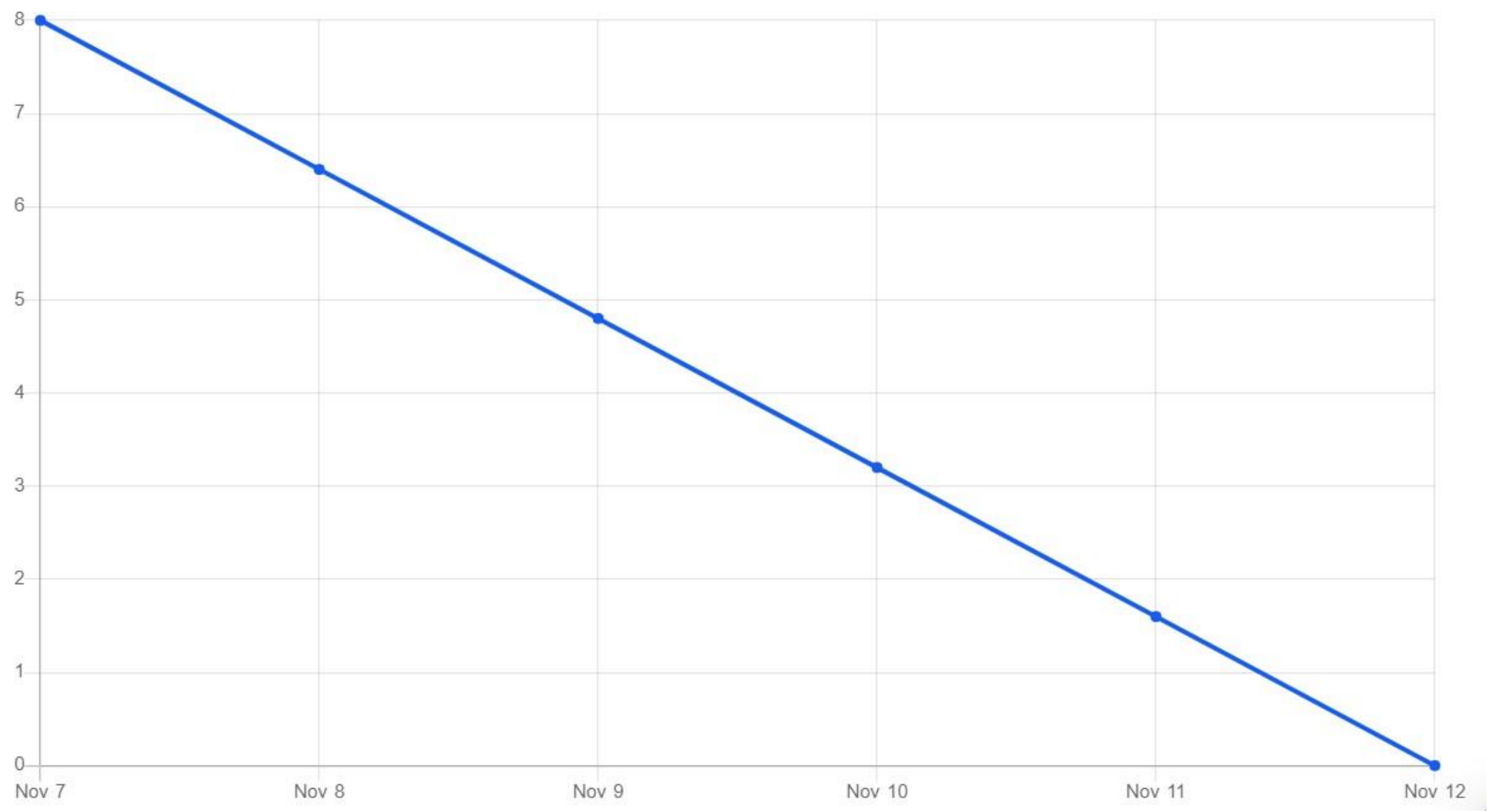


**Sprint-2**





**Sprint-3**



**Sprint-4**

