

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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-1		USN-3	As a user, I can register for the application through Gmail	1	Medium	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Sai pavithra, Sowmiya, Srinithi, Swetha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Forget password	USN-5	As a user, I can reset the password if I forget the password.	1	Medium	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-2	ETL process	USN-6	As a user, I can perform the extract, Transform, Load process	2	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-2	Data cleaning	USN-7	As a user, I can perform the data cleaning process	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-2	Visualization and insights	USN-8	As a user, I can visualize the data and find the insights.	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-3	Data Modeling	USN-9	As a user, I can build the model	5	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-3	Machine learning Model	USN-10	As a user, I can use various ml models to analyze and predict the values	5	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-3	Test and train model	USN-11	As a user, I can test and train the model	5	High	Sai pavithra, Sowmiya, Srinithi, Swetha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Dashboard	USN-12	As a user, I can create the dashboard about the detailed analytics of the project	8	High	Sai pavithra, Sowmiya, Srinithi, Swetha
Sprint-4	Report	USN-13	As a user, I can generate report based on the Dashboard.	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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	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)

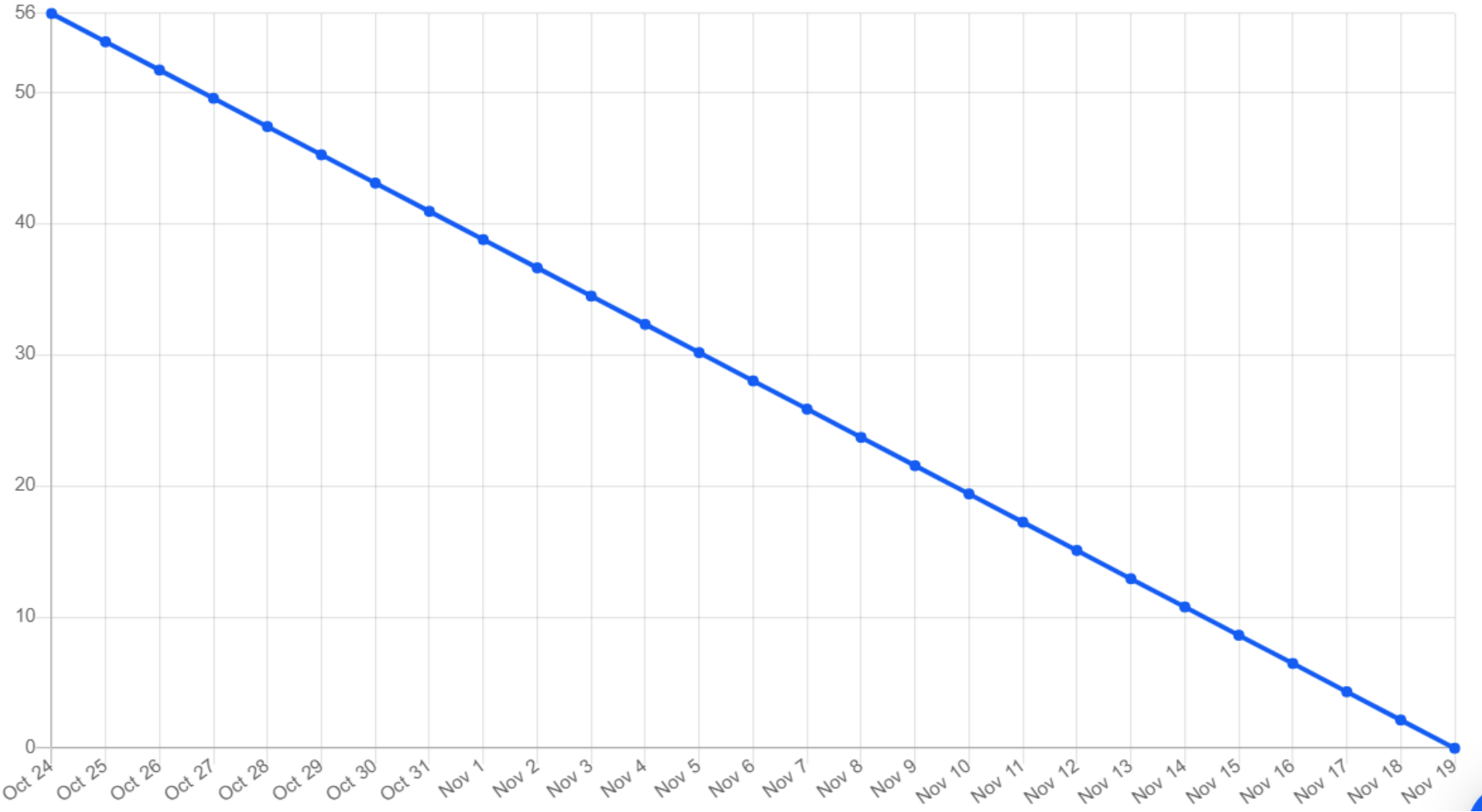
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Sprint	Story points	Duration	Average velocity
Sprint-1	7	6	1.16
Sprint-2	18	6	3
Sprint-3	15	6	2.5
Sprint-4	16	6	2.66
Total	56	24	2.33

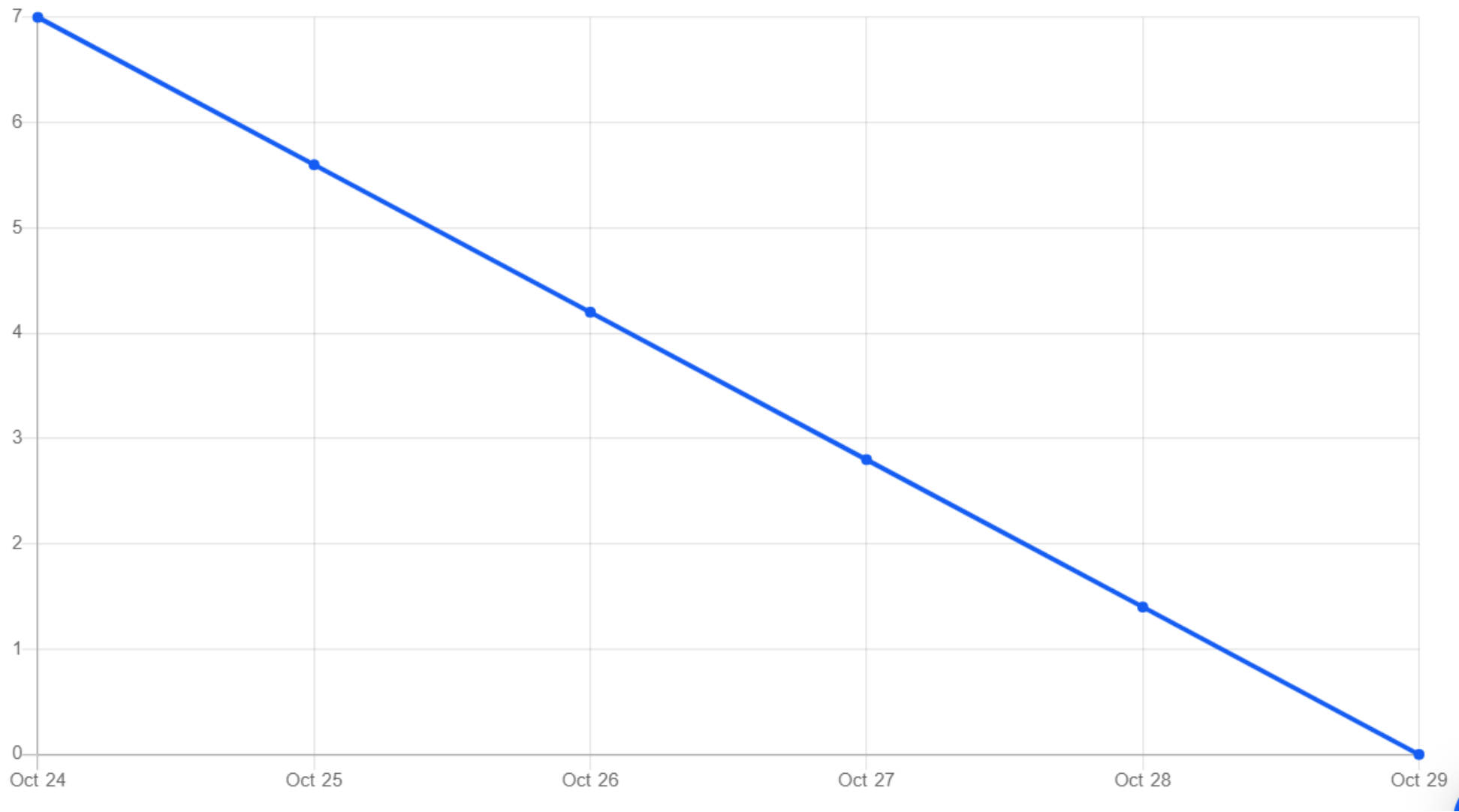
Jira project planning:

	OCT				OCT										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-6 Registration																																
 RSSIA-1 As a user, I... IN PROGRESS SAI PAVITH...																																
 RSSIA-2 As a user, I wi... IN PROGRESS SOWMIY...																																
 RSSIA-3 As a user, I can... IN PROGRESS SRINITHI																																
▼  RSSIA-7 Login																																
 RSSIA-4 As a user, I... IN PROGRESS SWETHA S...																																
 RSSIA-5 As a user, I... IN PROGRESS SAI PAVITH...																																
▼  RSSIA-11 ETL process																																
 RSSIA-8 As a user, I can p... TO DO SAI PAVITH...																																
▼  RSSIA-12 Data Cleaning																																
 RSSIA-9 As a user, I can perf... TO DO SOWMIY...																																
▼  RSSIA-13 Data visualization																																
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▼  RSSIA-17 Data modeling																																
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 RSSIA-15 As a user, I can us... TO DO SOWMIY...																																
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 RSSIA-19 As a user, I can... TO DO SAI PAVITH...																																
▼  RSSIA-21 Reports																																
 RSSIA-18 As a user, I can c... TO DO SWETHA S...																																

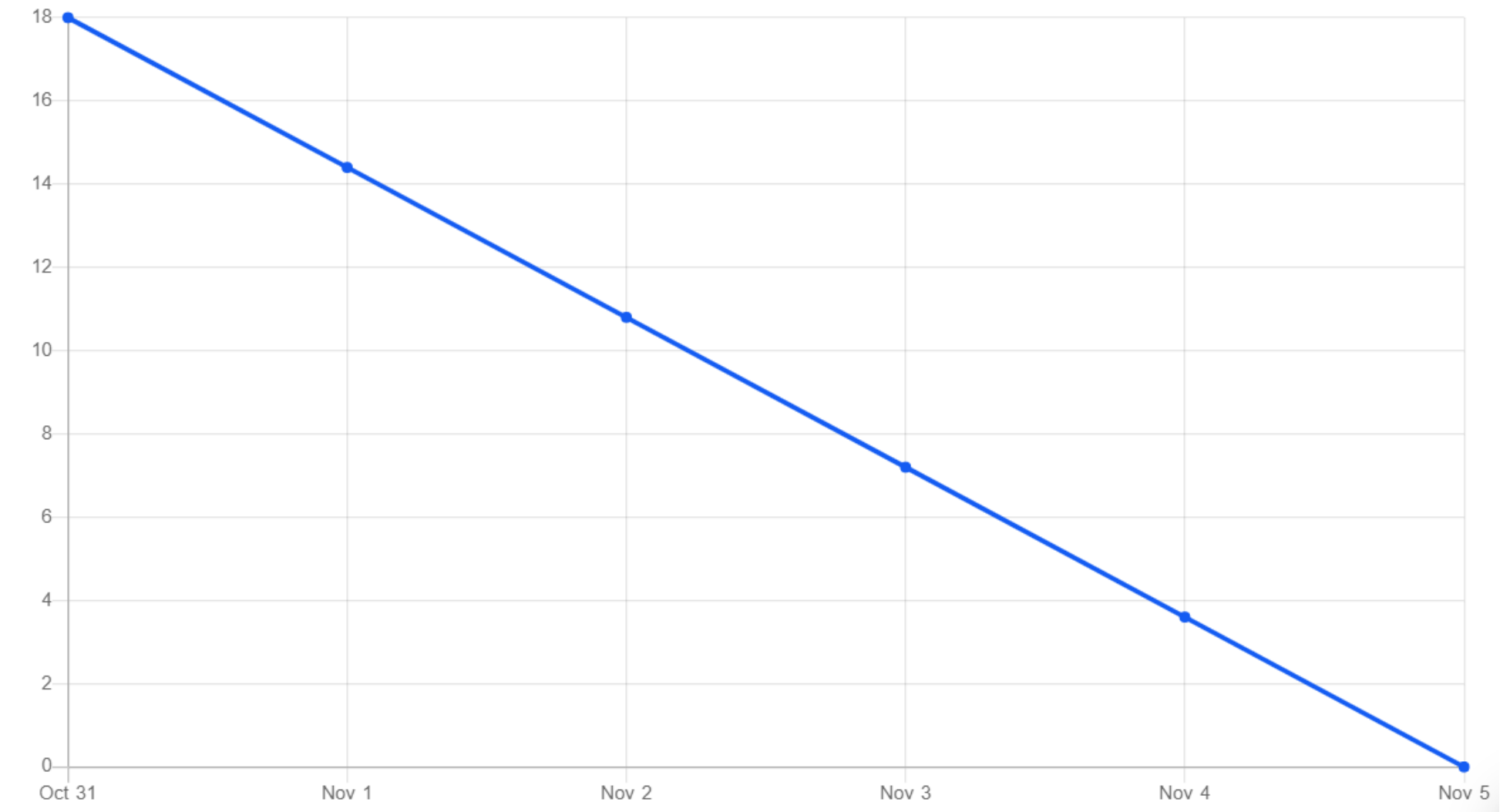
Burndown Chart:



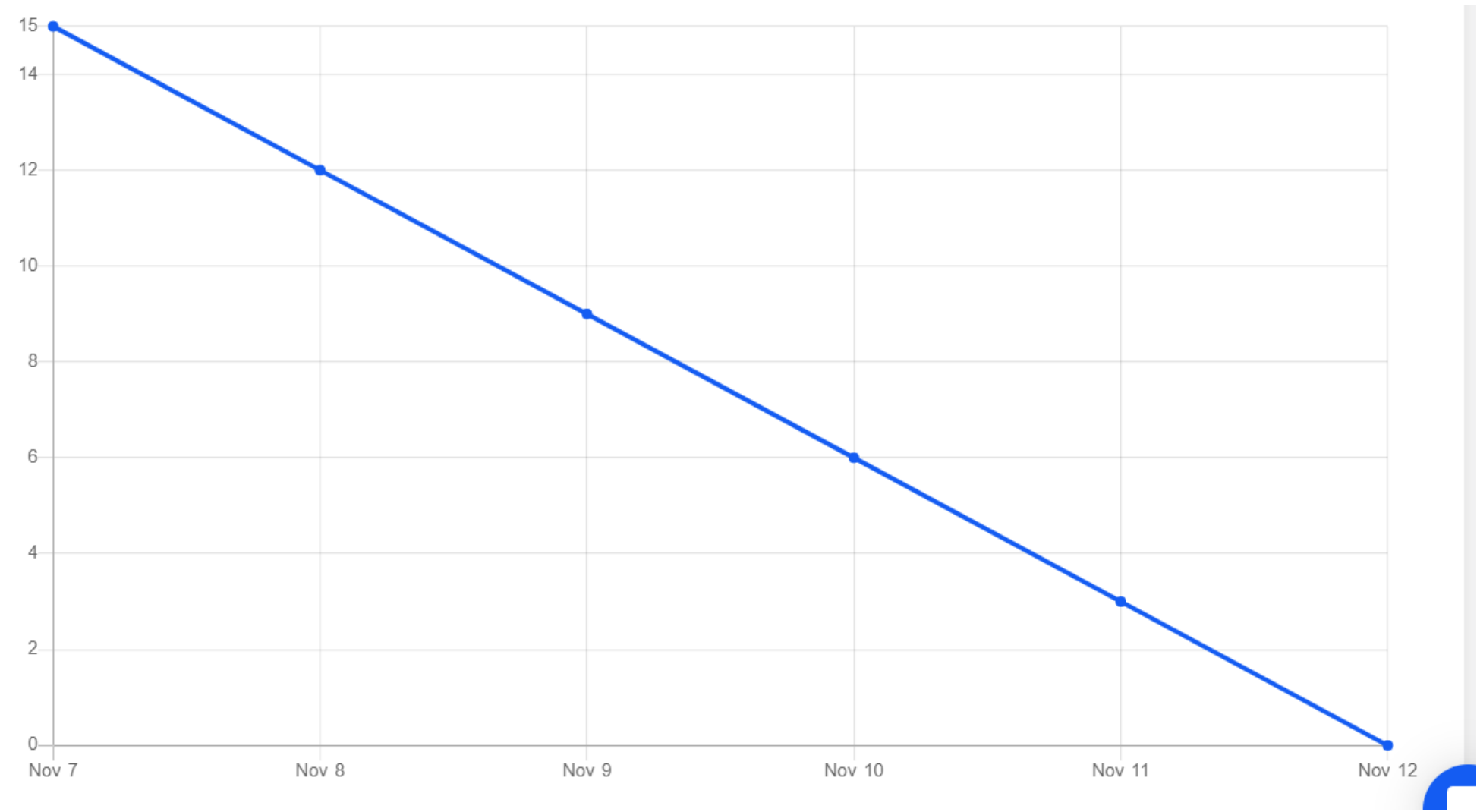
Sprint-1



Sprint-2



Sprint-3



Sprint-4

