

## Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID00800
Project Name	Retail Store Stock Inventory Analytics
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

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	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-2		USN-3	As a user, I can register for the application through Facebook.	2	Low	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	2	Medium	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-2	Dashboard	USN-6	As a user, I can access the dashboard after successfully logging in.	2	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D

<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-2	Upload Dataset	USN-7	As a user, I can upload dataset from the device that is being used.	3	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-3		USN-8	As a user, I can view the monthly sales of stock for the dataset.	3	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-3		USN-9	As a user, I can view the monthly sales of stock for the dataset.	4	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-3		USN-10	As a user, I can view the monthly revenue of the stock for the dataset.	4	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-4		USN-11	As a user, I can view the summary of the retail stock dataset.	4	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-4	Analyse	USN-12	As a user, I can analyse and find which products are low in stock and it's availability.	5	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D
Sprint-4	Prediction	USN-13	As a user, I see the prediction of the specific product's future sales expectation.	5	High	Lalith Aditya V H Manoj kumar T Mohamed Abdullah A Mohanraj D

**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	20	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	14	19 Nov 2022

**Velocity:**

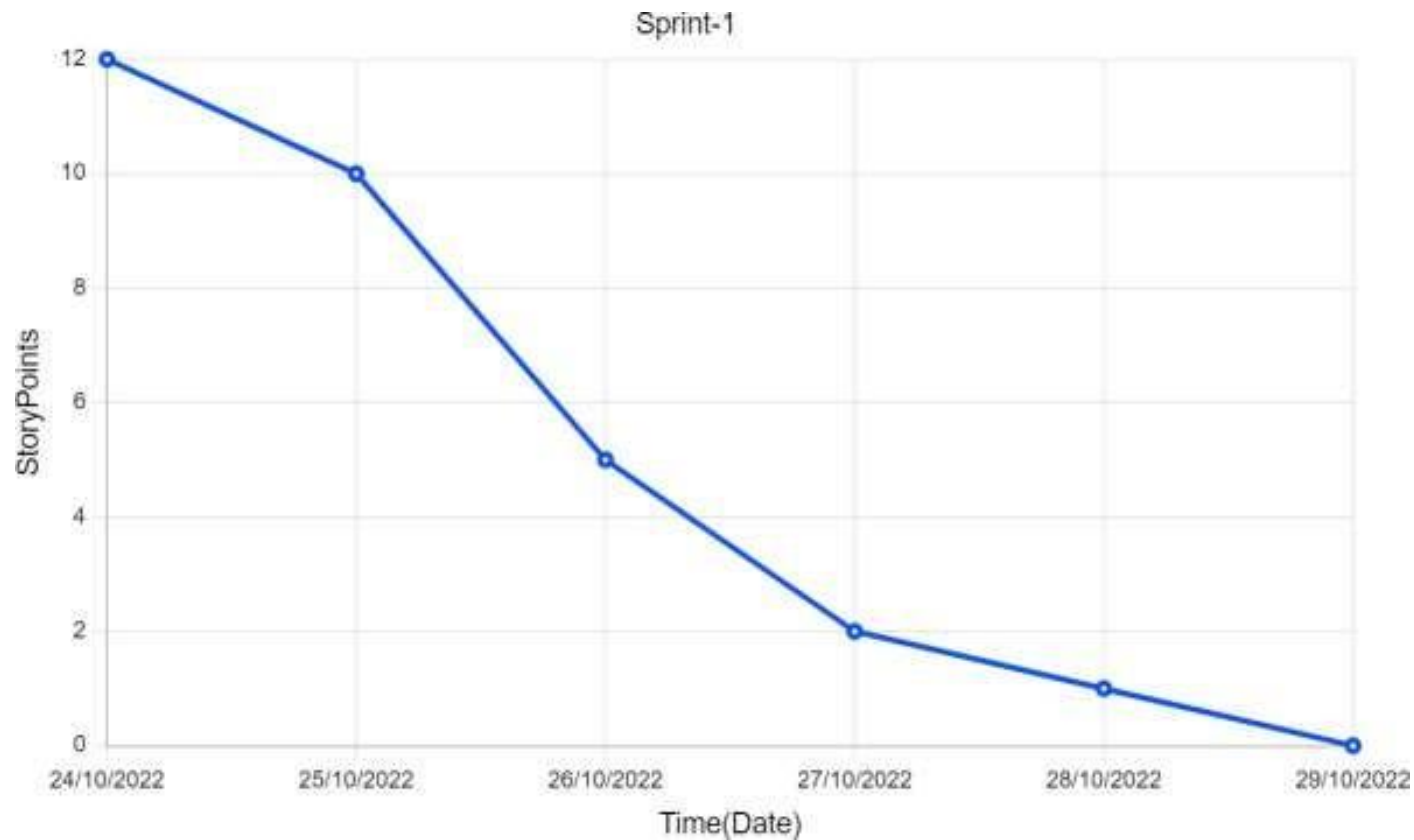
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

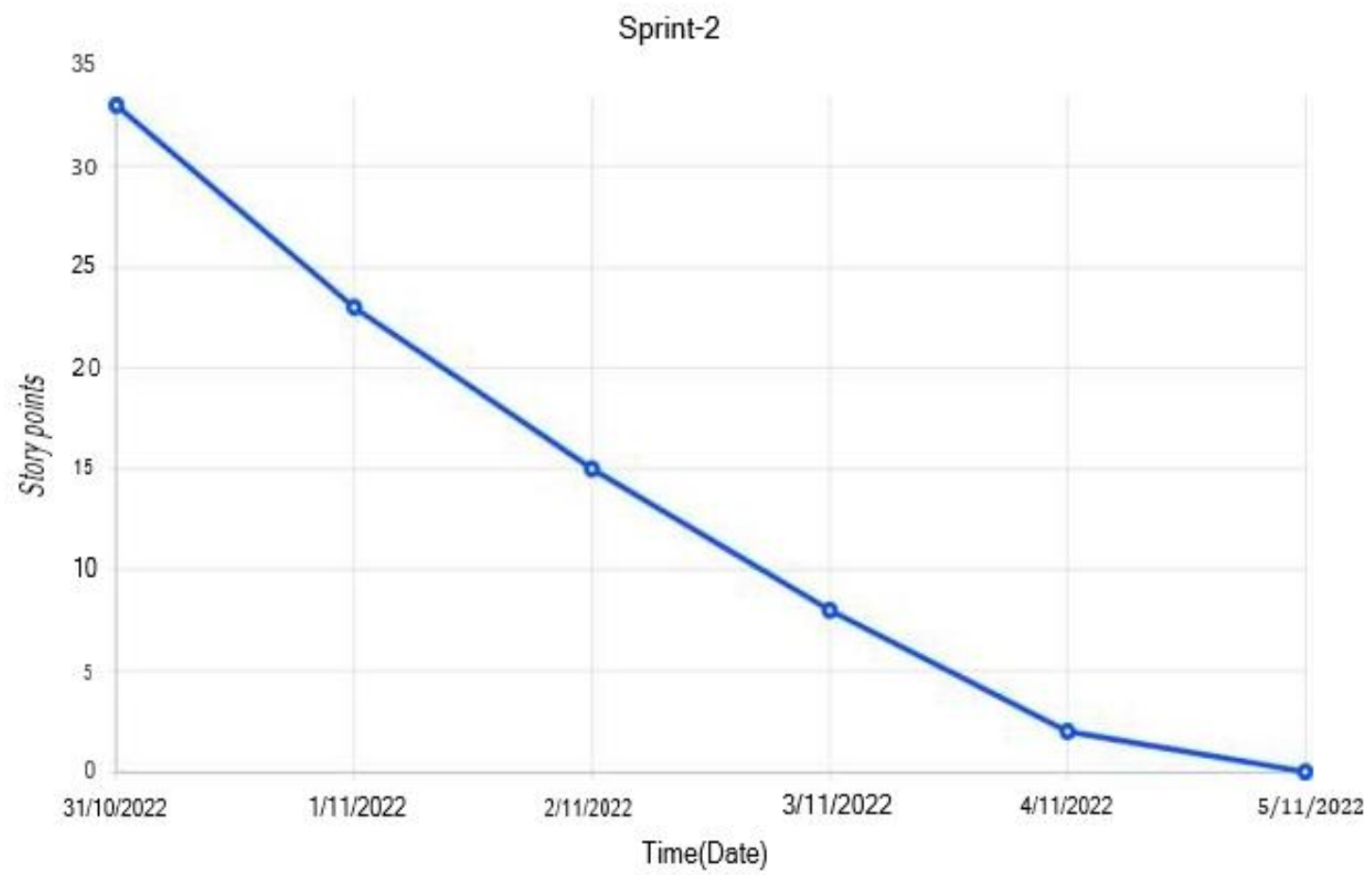
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

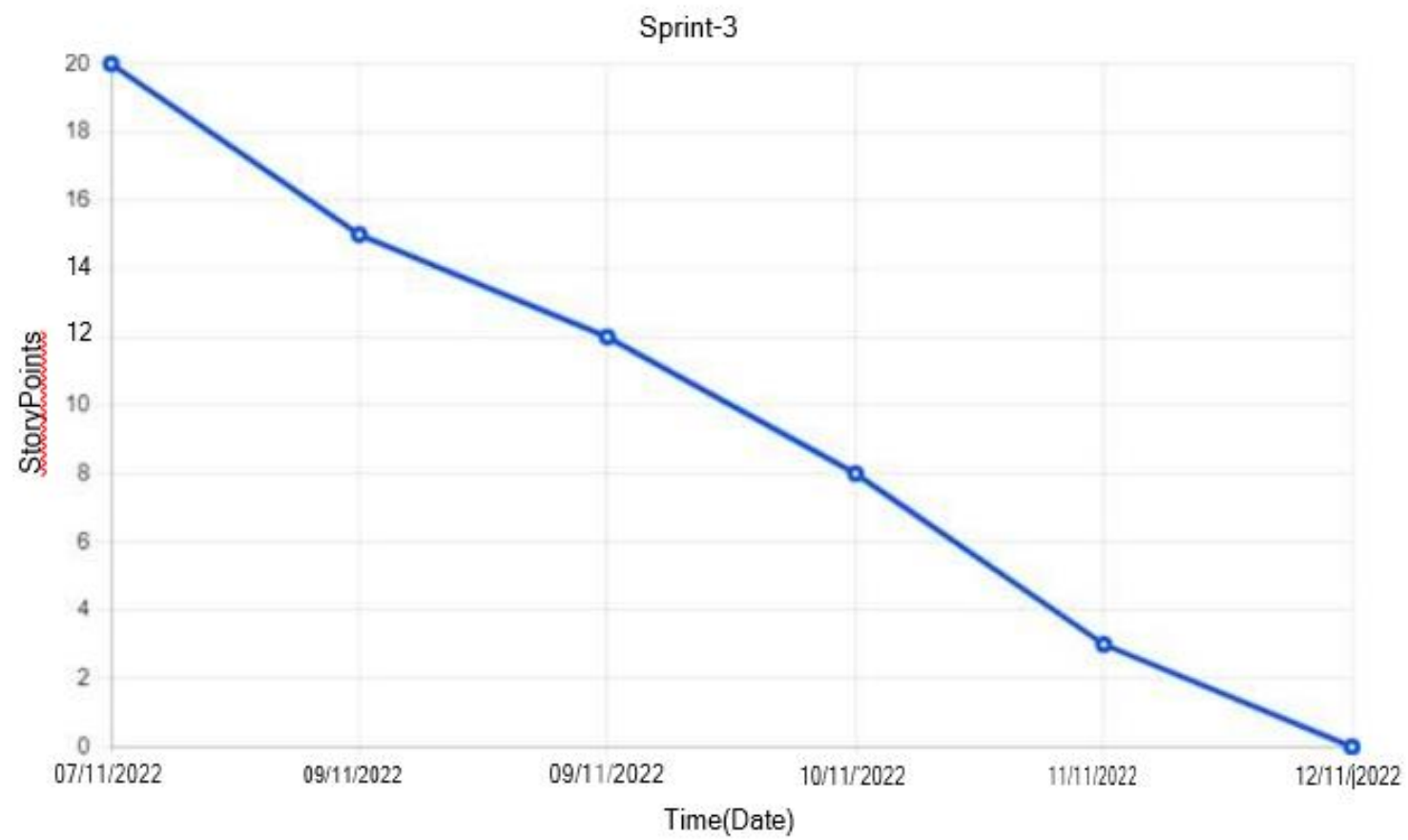
SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
Sprint-1	6	6 Days	6/6 = 1
Sprint-2	8	6 Days	8/6 = 1.33
Sprint-3	10	6 Days	10/6 = 1.66
Sprint-4	14	6 Days	14/6 = 2.33

### **Burndown Chart:**

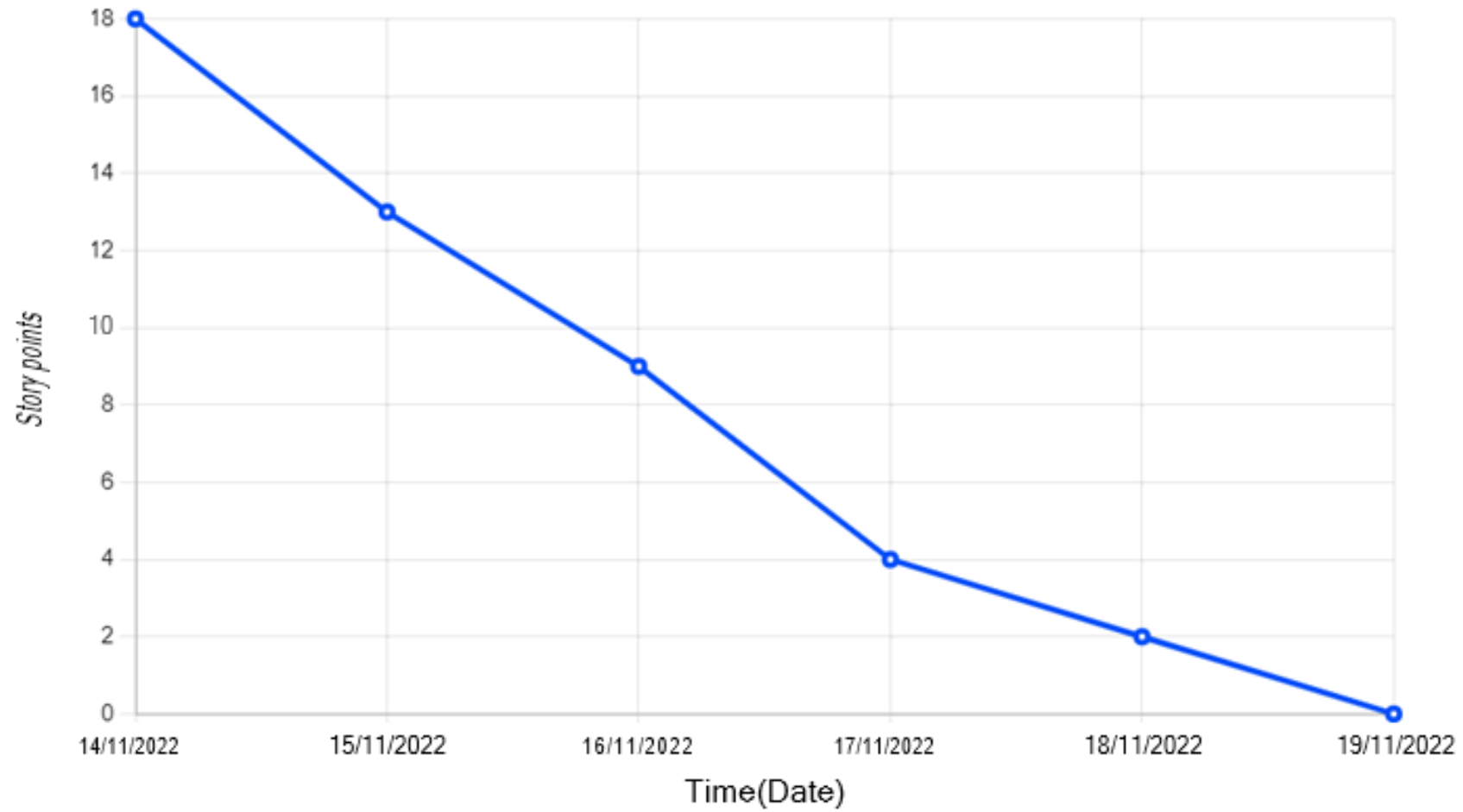
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



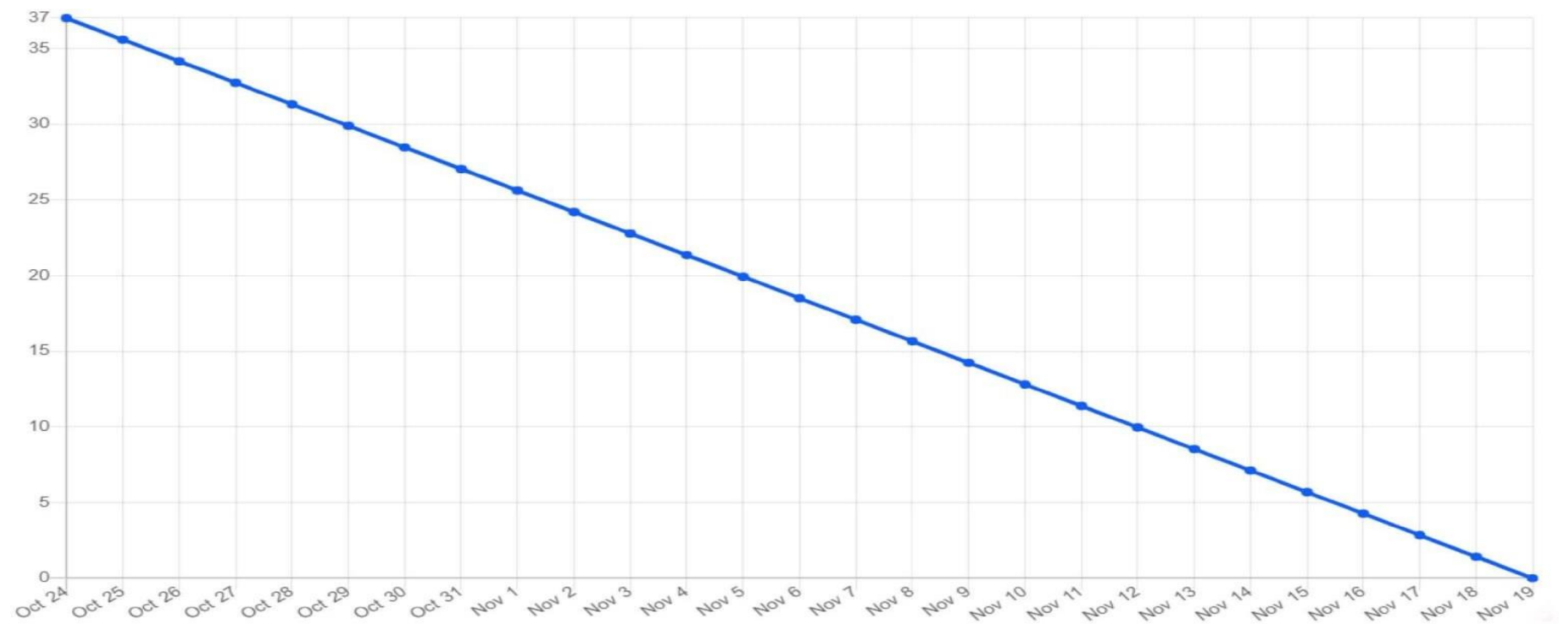




Sprint-4

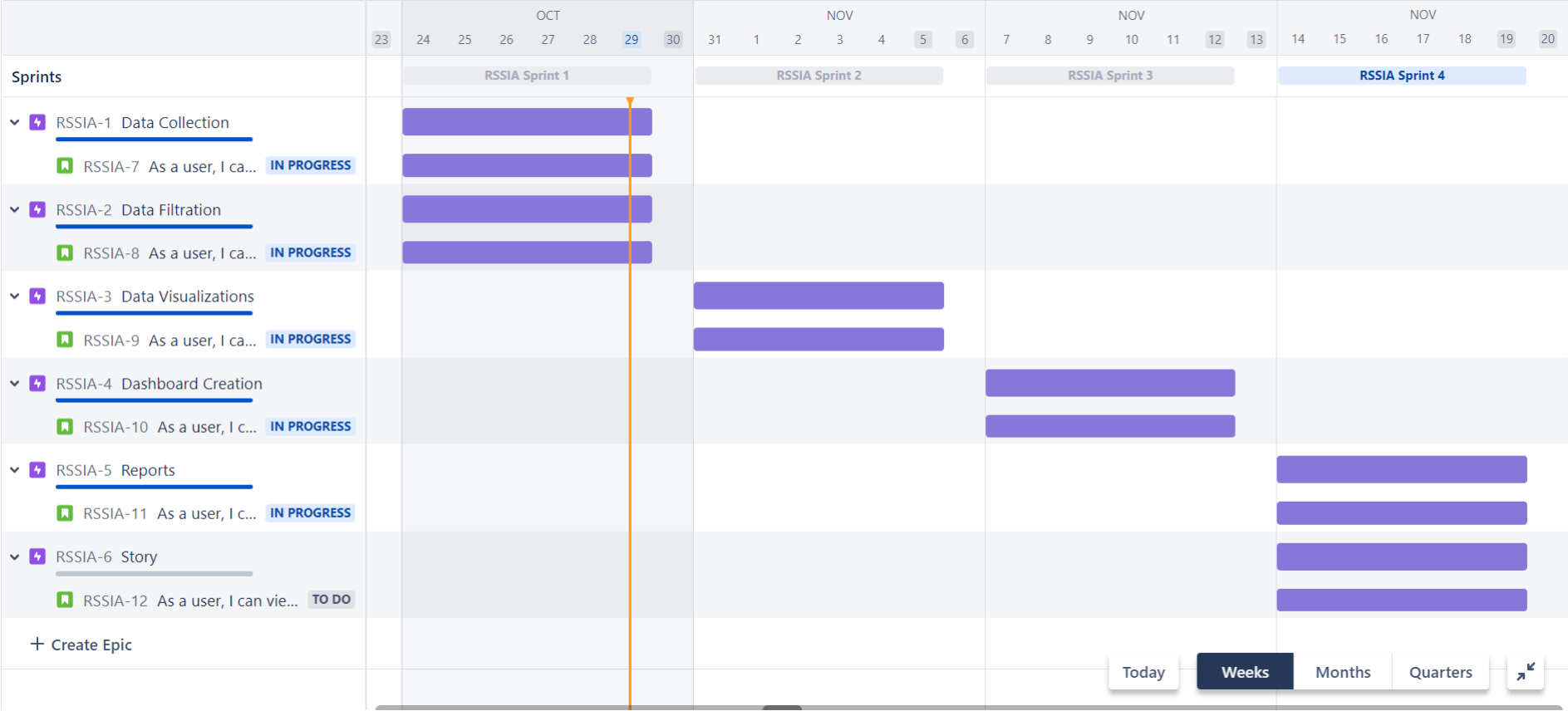


### Overall Burndown Chart:





PLANNING TOOL:



# Backlog



Epic ▾

Insights

▼ Backlog (6 issues)

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Create sprint

RSSIA-12 As a user, I can view the product description and more additional information about it. <b>STORY</b>	TO DO ▾	
RSSIA-11 As a user, I can view the list of categorized products and their details as a report. <b>REPORTS</b>	IN PROGRESS ▾	
RSSIA-9 As a user, I can visualize the data in an easy manner. <b>DATA VISUALIZATIONS</b>	IN PROGRESS ▾	
RSSIA-10 As a user, I can view my dashboard and can perform stock prediction and analysis. <b>DASHBOARD CREATION</b>	IN PROGRESS ▾	
RSSIA-7 As a user, I can view the data which is clean for visualization. <b>DATA COLLECTION</b>	IN PROGRESS ▾	
RSSIA-8 As a user, I can view the filtered information. <b>DATA FILTRATION</b>	IN PROGRESS ▾	