

## Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID21488
Project Name	Retail Store Stock Inventory Analysis
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 the dataset is done to present the analytics to the user.	3	Low	Dixon J Antony A, Siddharth S
Sprint-1	Data Preparation	USN-2	As a user, I can view the accurate analytics of data by pre-processing data. The data preparation is done to restructure and clean the data.	3	Medium	Dixon J Antony A, Ragul M GA
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	Ragul M GA, Sreesh N, Siddharth S
Sprint-3	Dashboard Creation	USN-4	As a user, I can view the visualized data to get the better understanding about the sales, stock, revenue and price.	8	High	Dixon J Antony A, Siddharth S, Ragul M GA, Sreesh N

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 view the detailed report of the sales, stock, revenue and price. The user can get the report of the particular data.	8	High	Sreesh N, Ragul M GA
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	Dixon J Antony A, Siddharth S,

#### 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	6	6 Days	24 Oct 2022	29 Oct 2022	6	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	Total Story Points	Duration	Average velocity
Sprint-1	6	6 Days	1.00
Sprint-2	8	6 Days	1.33
Sprint-3	8	6 Days	1.33
Sprint-4	16	6 Days	2.66
Total	38	24	1.58

### 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>  
<https://www.atlassian.com/agile/tutorials/burndown-charts>

## Planning Tool : ( JIRA Software )

The screenshot displays the JIRA Software interface for a project named "Retail Store Stock Inventory Analysis". The top navigation bar includes "Your work", "Projects", "Filters", "Dashboards", "People", "Apps", and a "Create" button. A search bar is located on the right. The left sidebar shows the project name and a "PLANNING" section with options like "Roadmap", "Backlog", "Board", "Reports", and "Code". Below this is a "DEVELOPMENT" section with "Project pages", "Add shortcut", and "Project settings".

The main area shows the "Backlog" for the project. It features a search bar, filters for "DA", "RG", and "S", and a dropdown for "Epic". The backlog is organized into sprints:

- RSISA Sprint 1** (24 Oct – 29 Oct, 2 issues):
  - RSSIA-1: The dataset is collected and the understanding of dataset is done to present the analytics to the user. (DATA COLLECTION, 3, IN PROGRESS, DA)
  - RSSIA-2: As a user, I can view the accurate analytics of data b... (DATA PREPARATION, 3, TO DO, RG)
- RSISA Sprint 2** (31 Oct – 5 Nov, 1 issue):
  - RSSIA-4: As a user, I can view the visualized data to get the b... (DATA EXPLORATION, 8, TO DO, S)
- RSISA Sprint 3** (7 Nov – 12 Nov, 1 issue):
  - RSSIA-7: As a user, I can view the visualized data to get th... (DASHBOARD CREATION, 8, TO DO, DA)

On the right, a detailed view of issue RSSIA-1 is shown. It includes a description: "The dataset is collected and the understanding of dataset is done to present the analytics to the user." Below the description is a section for "In Progress" with a dropdown menu. The "Details" section shows the assignee as "19IT093 SIDDHARTH S" and the labels as "None". A comment box at the bottom is labeled "DA" and contains the text "Add a comment...".

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create


Q Search

9+

?

⚙

DA

Retail Store Stock Inve...  
Software project

PLANNING

Roadmap

Backlog

Board

Reports

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

Projects / Retail Store Stock Inventory Analysis

RSISA Sprint 1

Registration, Login and Authentication.

Search this board

DA

RG

Epic

⚡

☆

🕒 0 days remaining

Complete sprint

⋮

GROUP BY

None

Insights

TO DO 1 ISSUE

As a user, I can view the accurate analytics of data by pre-processing the data. The data preparation is done to restructure and clean the data.

DATA PREPARATION

RSSIA-2

3

RG

IN PROGRESS 1 ISSUE

The dataset is collected and the understanding of the dataset is done to present the analytics to the user.

DATA COLLECTION

RSSIA-1

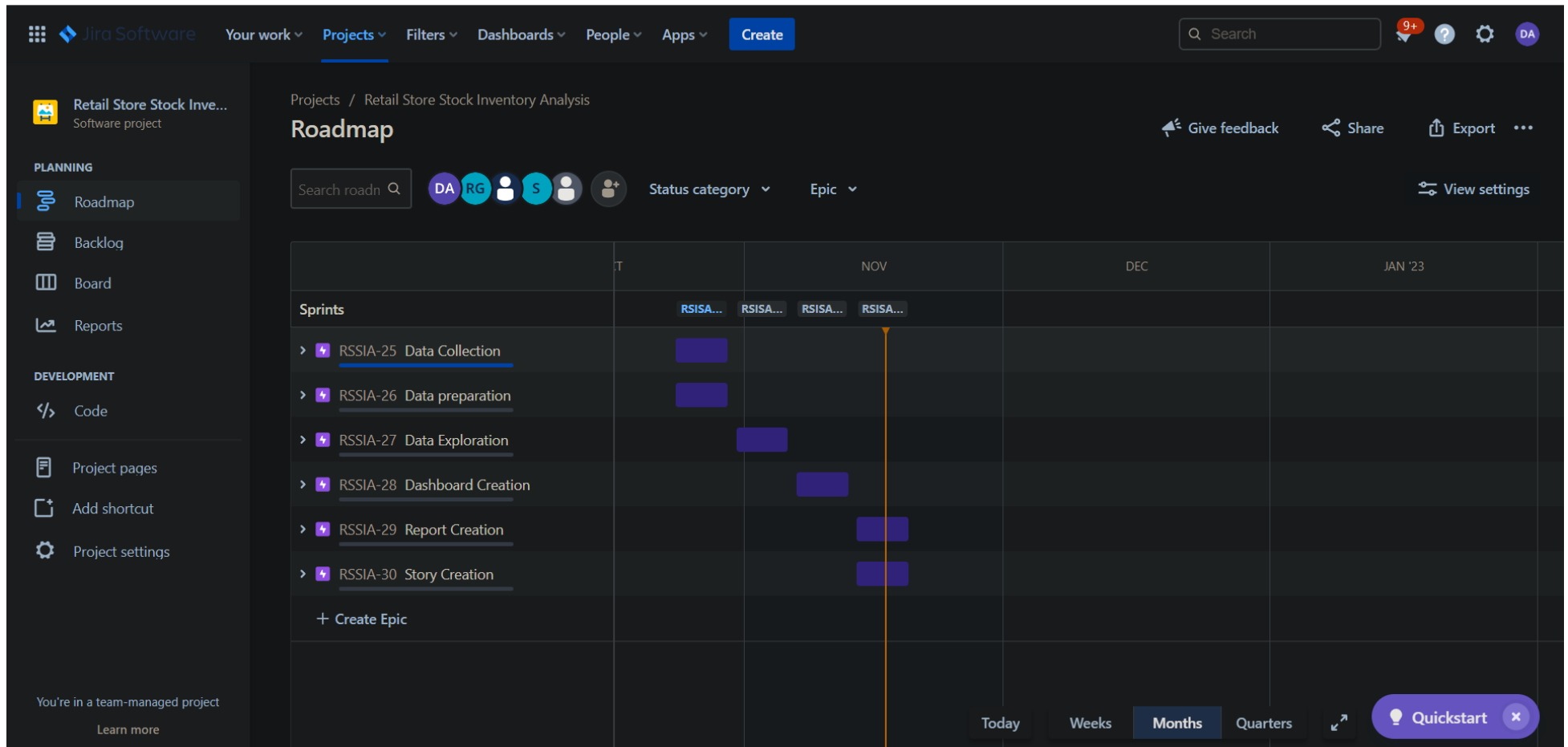
3

IN REVIEW

DONE ✓

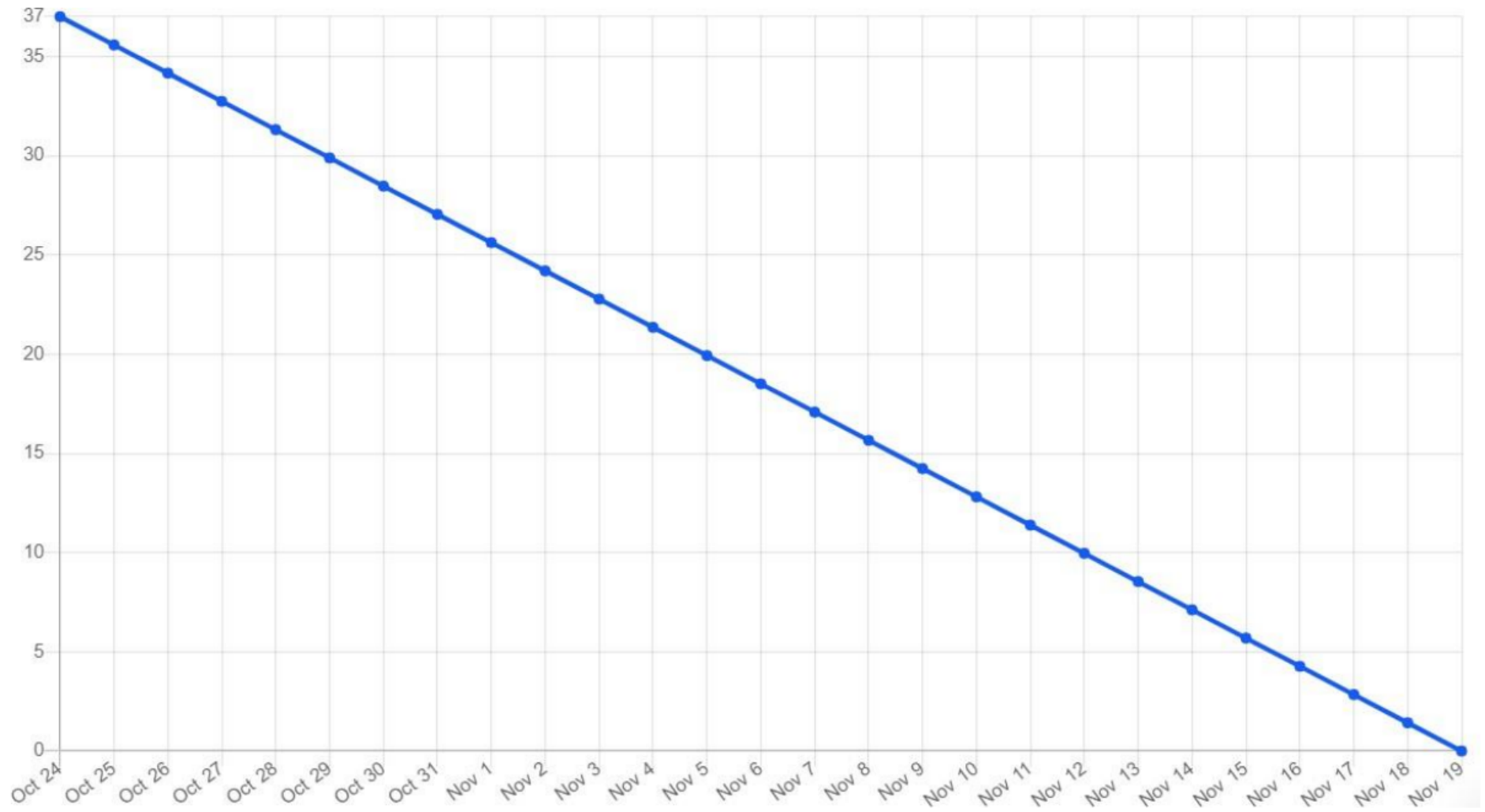
+

## Roadmap :

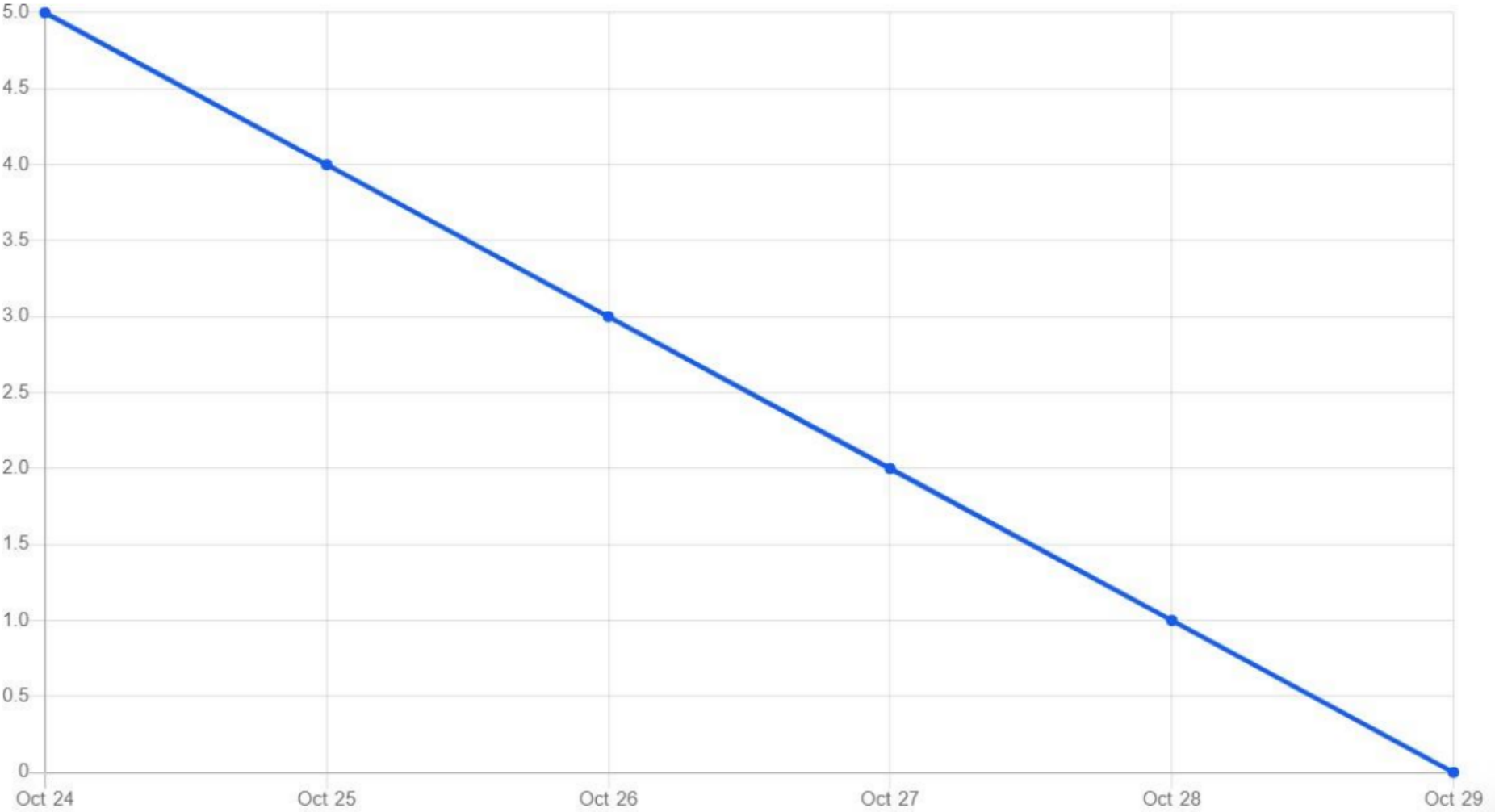


**Burndown Chart :**

**Total Sprints :**

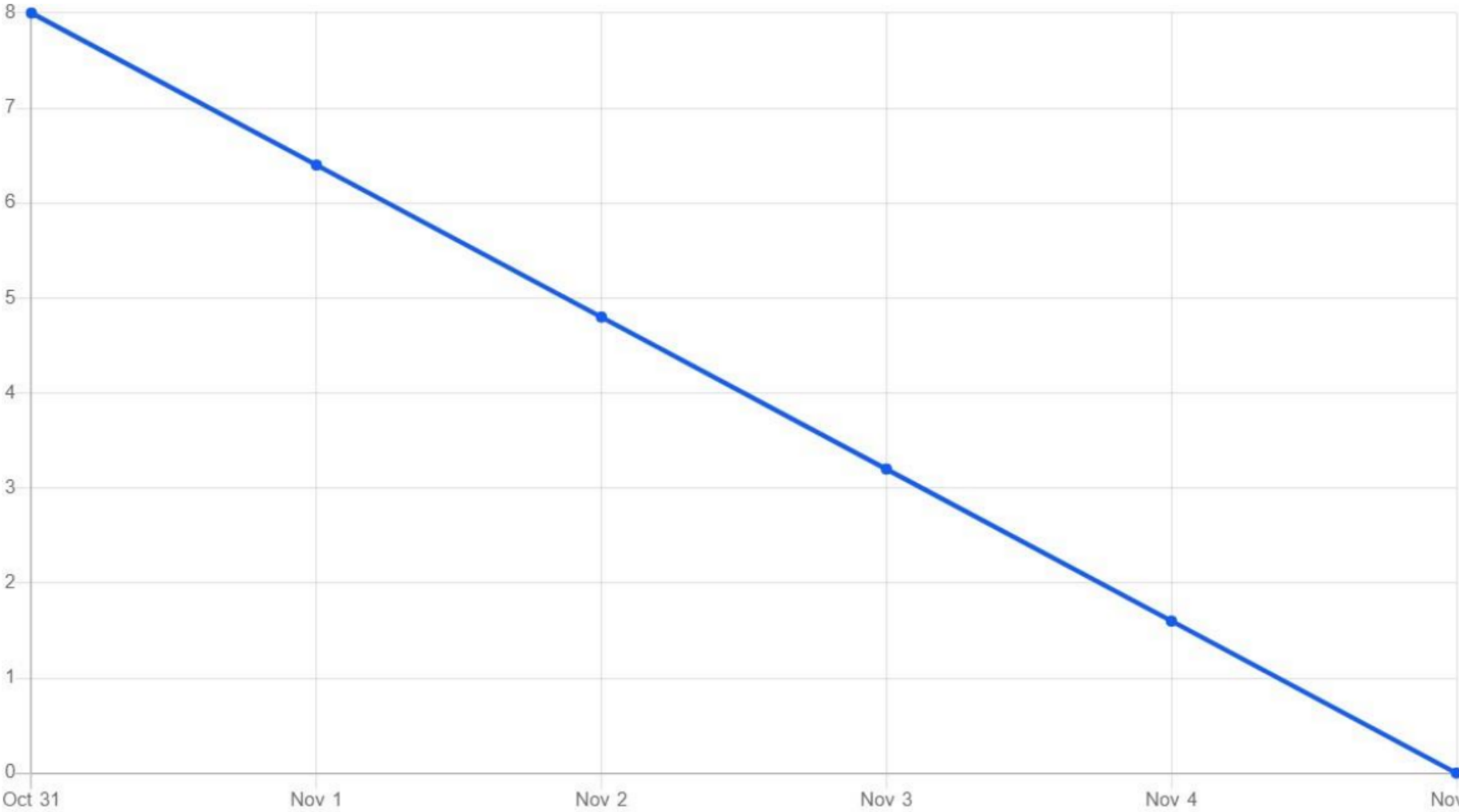


**Sprint 1:**

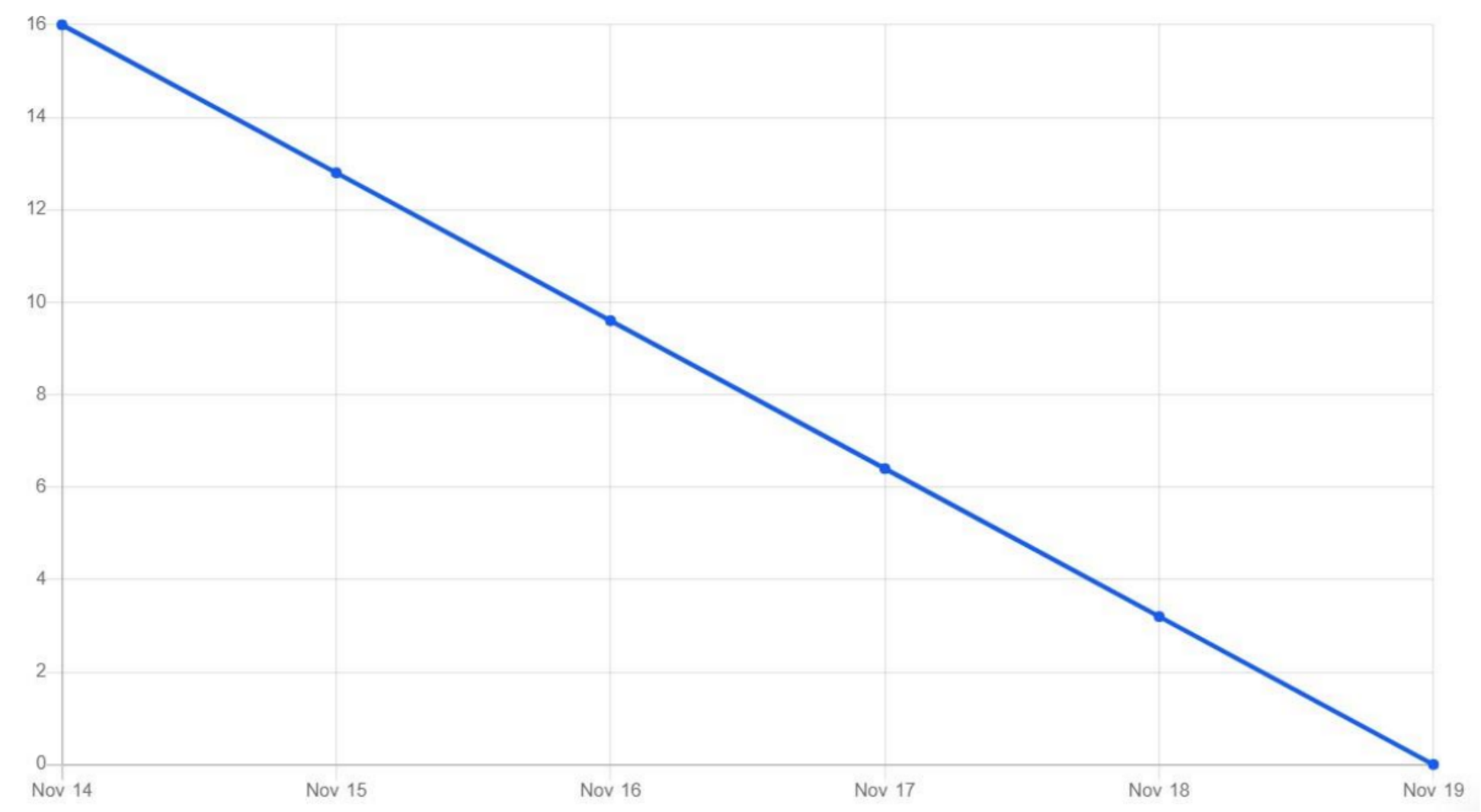




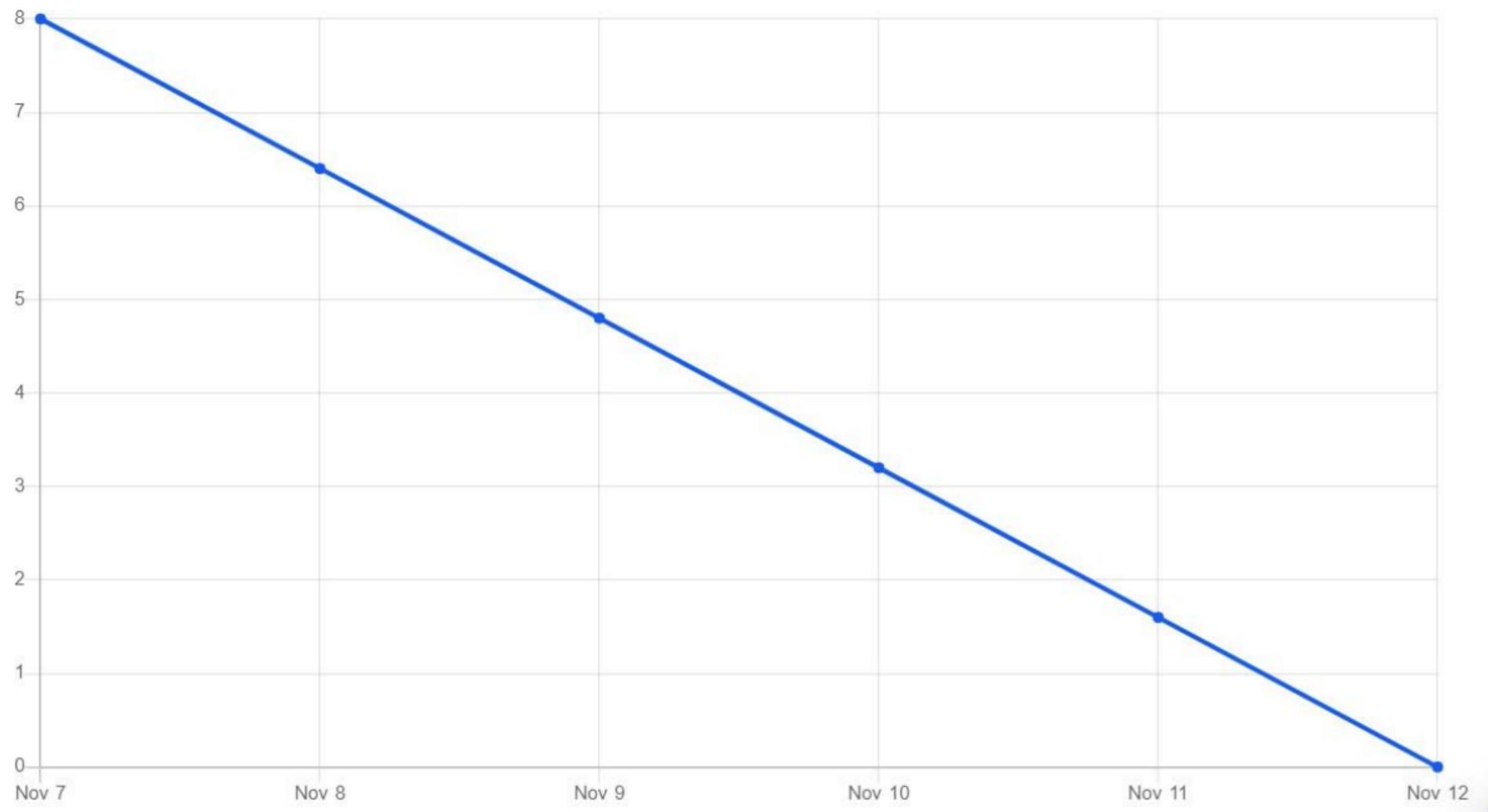
**Sprint 2:**



**Sprint 3:**



**Sprint 4:**



**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>