Project Planning Phase

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

Date	20 November 2023
Team ID	Team-593059
Project Name	The Sleep Oracle Anticipating Health and Lifestyle Through Data
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 and Sleep Pattern Analysis	USN-1	As an Individual, I want to input my sleep-related data into the Sleep Oracle system, including sleep duration, quality, and lifestyle factors, to receive personalized insights about my sleep patterns.	15	High	Ananya Garg Niyati Mittal
Sprint-2	Access to Sleep Data	USN-4	As a Healthcare Professional, I need secure	6	High	Gauri R Nair

			access to sleep data collected by the Sleep Oracle system to assist in diagnosing and treating sleep disorders in patients.			
Sprint-2	Access to Anonymized Data	USN-6	As a Researcher, I require access to anonymized and aggregated sleep data from the Sleep Oracle system to conduct sleep health research.	5	Medium	Rishabh Kumar Roy
Sprint-3	Personalized Recommendations	USN-4	As an Individual, I expect the Sleep Oracle system to analyze my sleep data and provide personalized recommendations for improving my sleep quality and well-being	7	Medium	Niyati Mittal
Sprint-3	Sleep Disorder Alerts	USN-5	As an Individual, I want the Sleep Oracle system to detect potential sleep disorders based on my sleep data and provide alerts, prompting me to seek medical advice if necessary.	2	High	Ananya Garg
Sprint-3	Diagnostic Support	USN-6	As a Healthcare Professional, I expect the Sleep Oracle system to provide valuable insights and potential sleep disorder indicators based on user sleep data, assisting me in diagnosing sleep-related conditions.	4	Medium	Rishabh Kumar Roy

Sprint-4	Data Analytics	USN-7	As a Researcher, I aim to explore and analyze sleep data from the Sleep Oracle system to gain insights into sleep patterns and health trends.	5	Medium	Gauri R Nair
Sprint-5	User-Friendly Mobile App	USN-8	As a Mobile App User, I expect the Sleep Oracle mobile application to be user-friendly and accessible, allowing me to input my sleep data and receive recommendations effortlessly.	8	High	Ananya Garg
Sprint-6	Data Sync Across Devices	USN-9	As a Mobile App User, I want my sleep data and recommendations to synchronize seamlessly across multiple devices, ensuring a consistent experience.	5	Medium	Niyati Mittal
Sprint-6	Data Management Tools	USN-10	As a Data Administrator, I require efficient data management tools to maintain and secure the sleep data collected by the Sleep Oracle system.	5	High	Rishabh Kumar Roy
Sprint-7	Scalability and Performance	USN-11	As a System Administrator, I need the Sleep Oracle system to be scalable and optimized for high performance to accommodate increasing user loads	15	High	Gauri R Nair

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	15	5 Days	22 Oct 2023	27 Oct 2023	15	27 Oct 2023
Sprint-2	11	4 Days	29 Oct 2023	01 Nov 2023	11	01 Nov 2023
Sprint-3	13	4 Days	02 Nov 2023	05 Nov 2023	13	05 Nov 2023
Sprint-4	5	3 Days	06 Nov 2023	08 Nov 2023	5	08 Nov 2023
Sprint-5	8	3 Days	09 Nov 2023	11 Nov 2023	8	11 Nov 2023
Sprint-6	10	3 Days	13 Nov 2023	15 Nov 2023	10	15 Nov 2023
Sprint-7	15	5 Days	16 Nov 2023	20 Nov 2023	15	20 Nov 2023

Velocity:

We have a 5-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)

SPRINT - 1

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{15}{5} = 3$$

SPRINT - 2

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{11}{5} = 2.2$$

SPRINT - 3

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{11}{5} = 2.6$$

SPRINT - 4

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{5}{5} = 1$$

SPRINT - 5

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{8}{5} = 1.6$$

SPRINT - 6

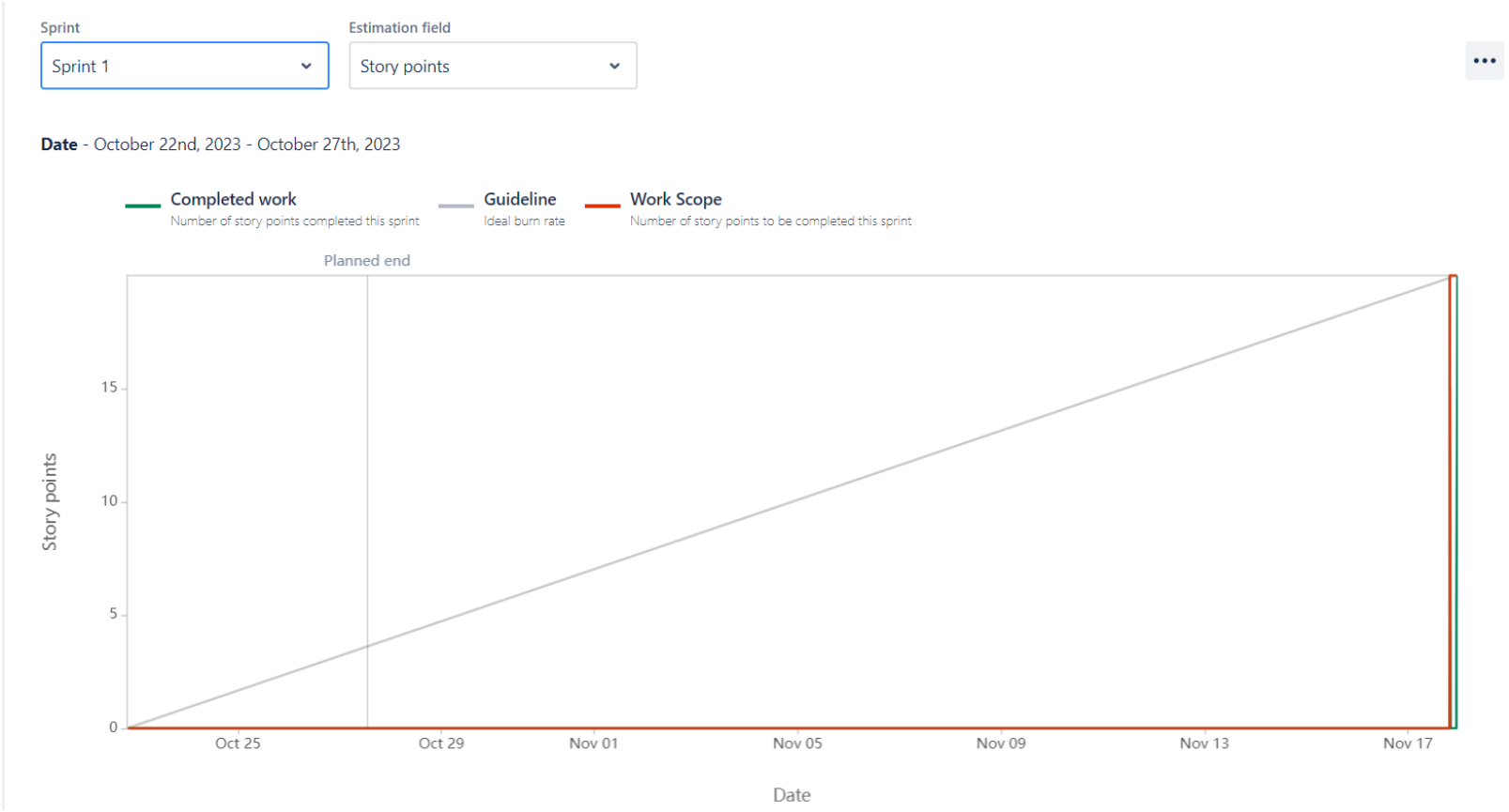
$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{10}{5} = 2$$

SPRINT - 7

$$\textbf{AV} = \frac{Sprint\ Duration}{velocity} = \frac{15}{5} = 3$$

Burndown Chart:

SPRINT - 1

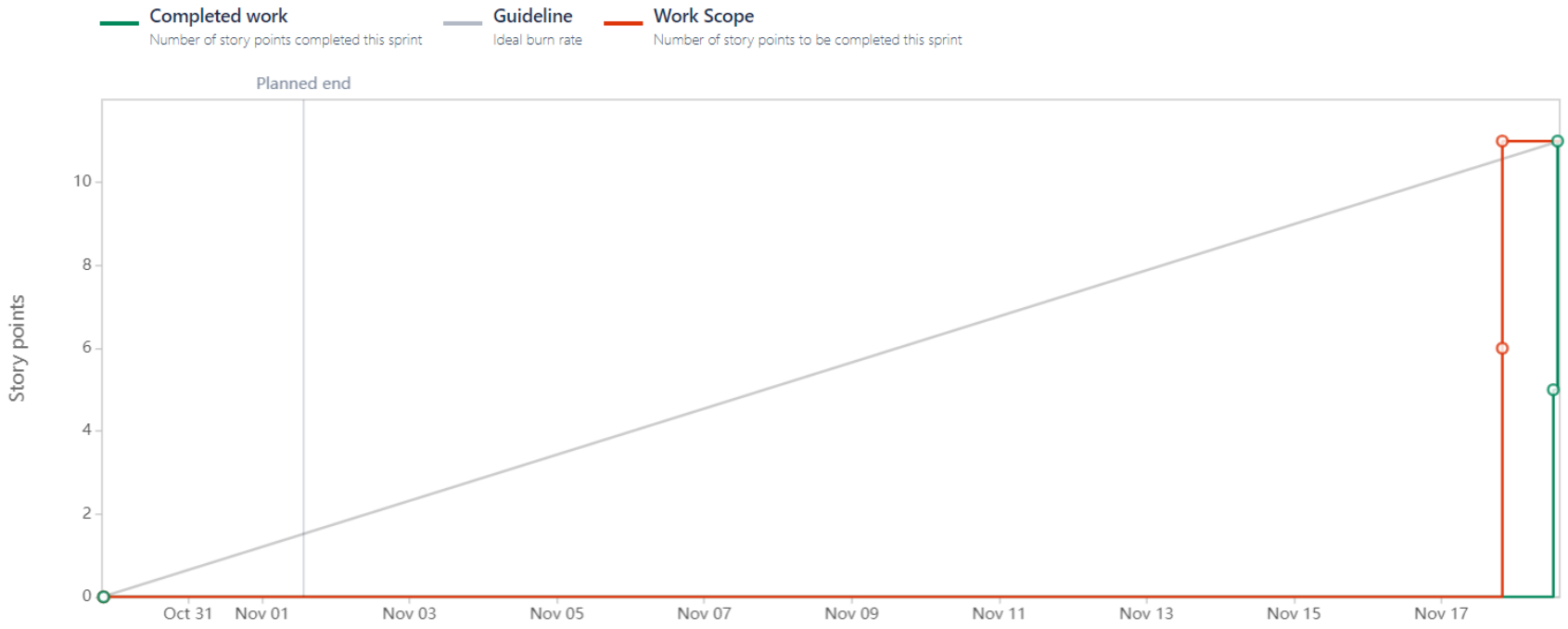


SPRINT - 2

Sprint: Sprint 2

Estimation field: Story points

Date - October 29th, 2023 - November 1st, 2023

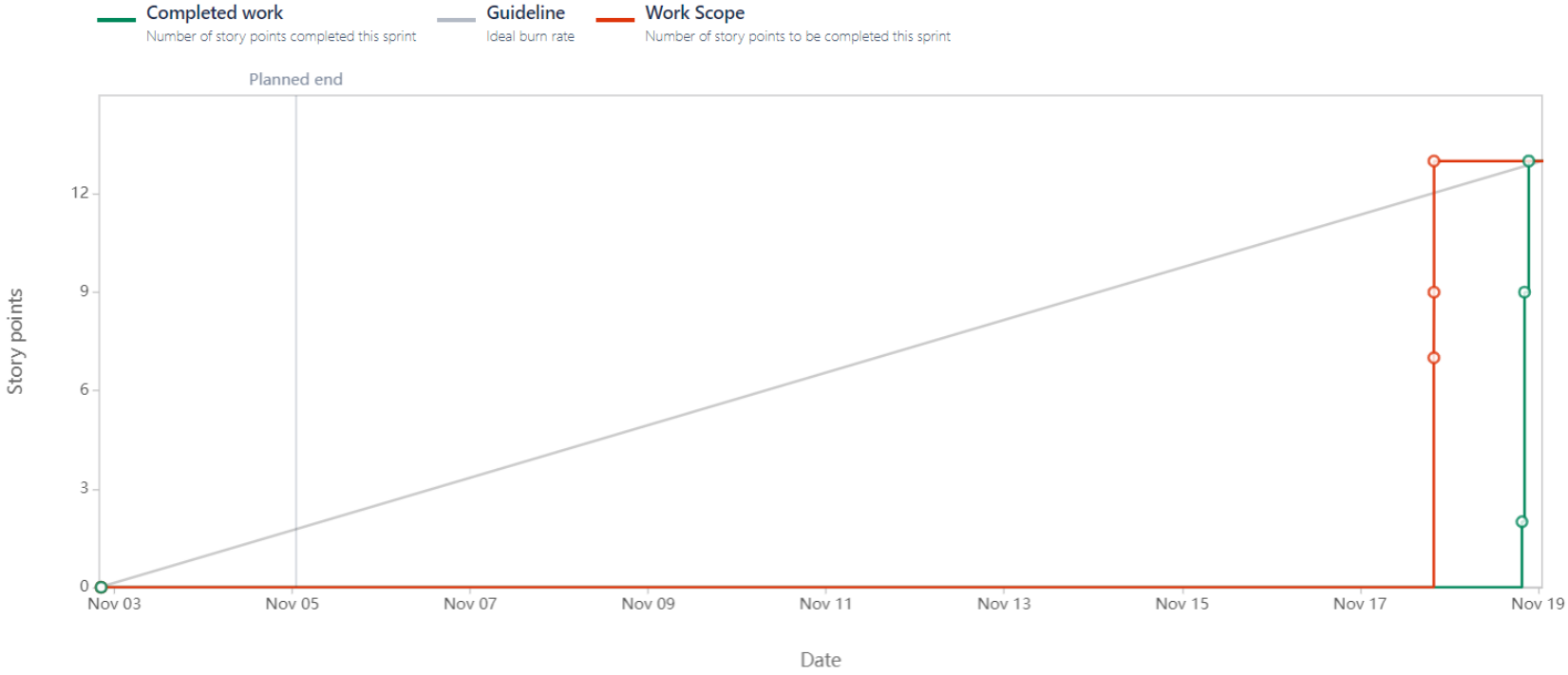


SPRINT - 3

Sprint: Sprint 3

Estimation field: Story points

Date - November 2nd, 2023 - November 5th, 2023

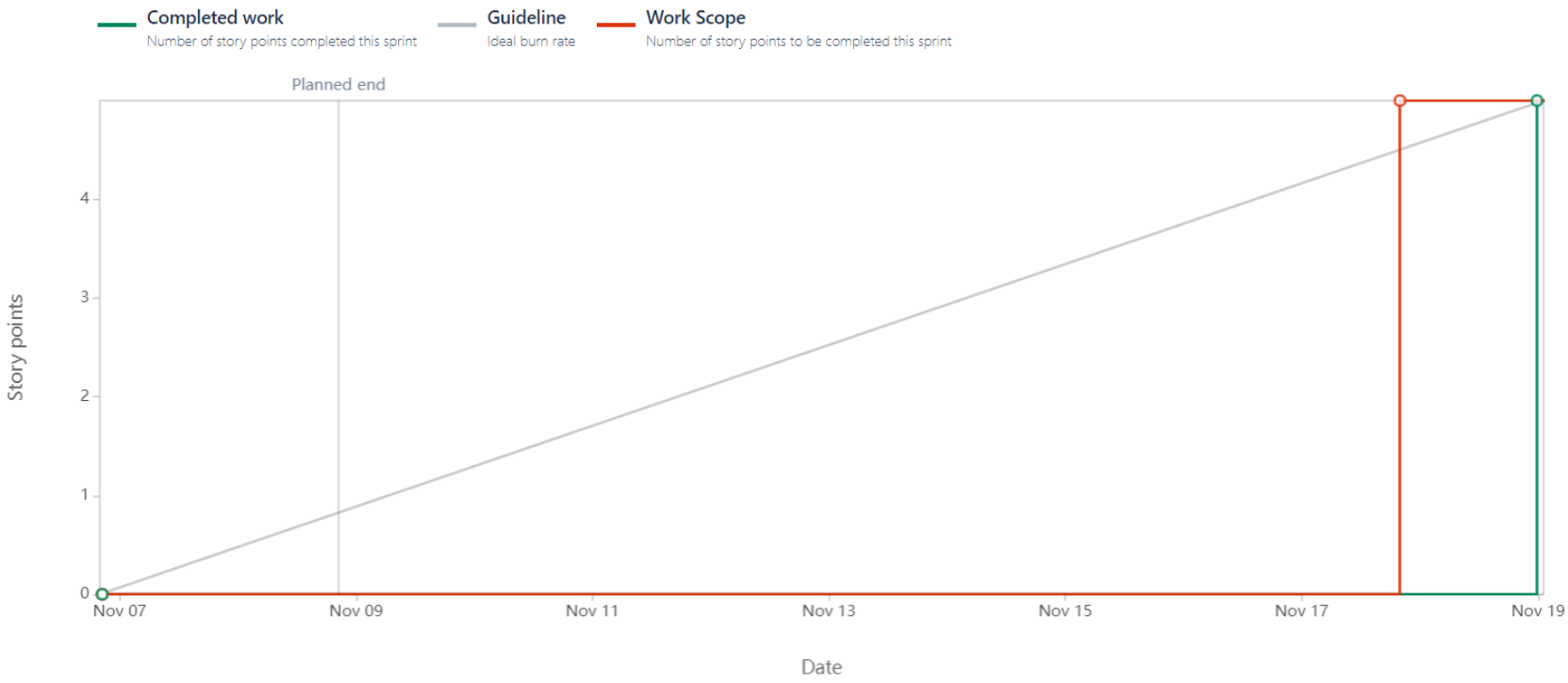


SPRINT - 4

Sprint: Sprint 4

Estimation field: Story points

Date - November 6th, 2023 - November 8th, 2023

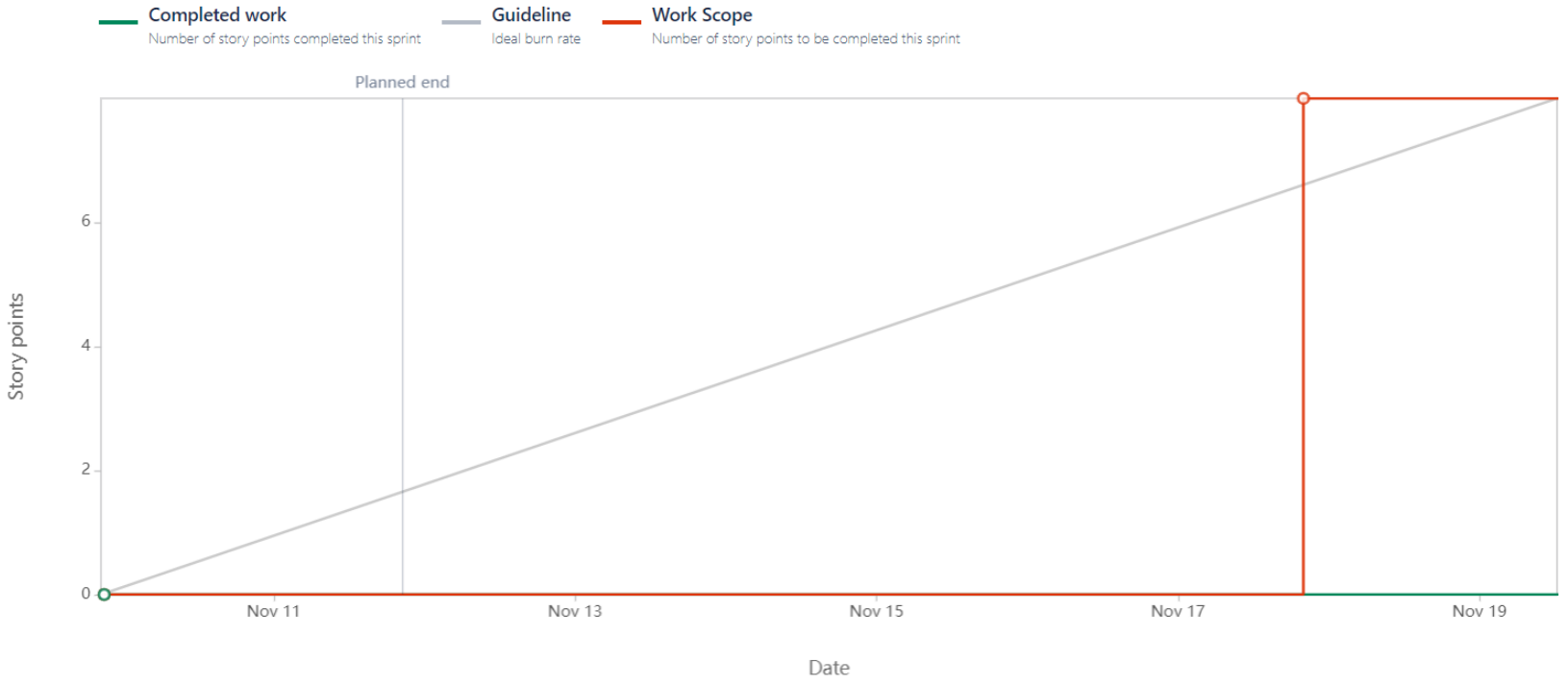


SPRINT - 5

Sprint: Sprint 5

Estimation field: Story points

Date - November 9th, 2023 - November 11th, 2023

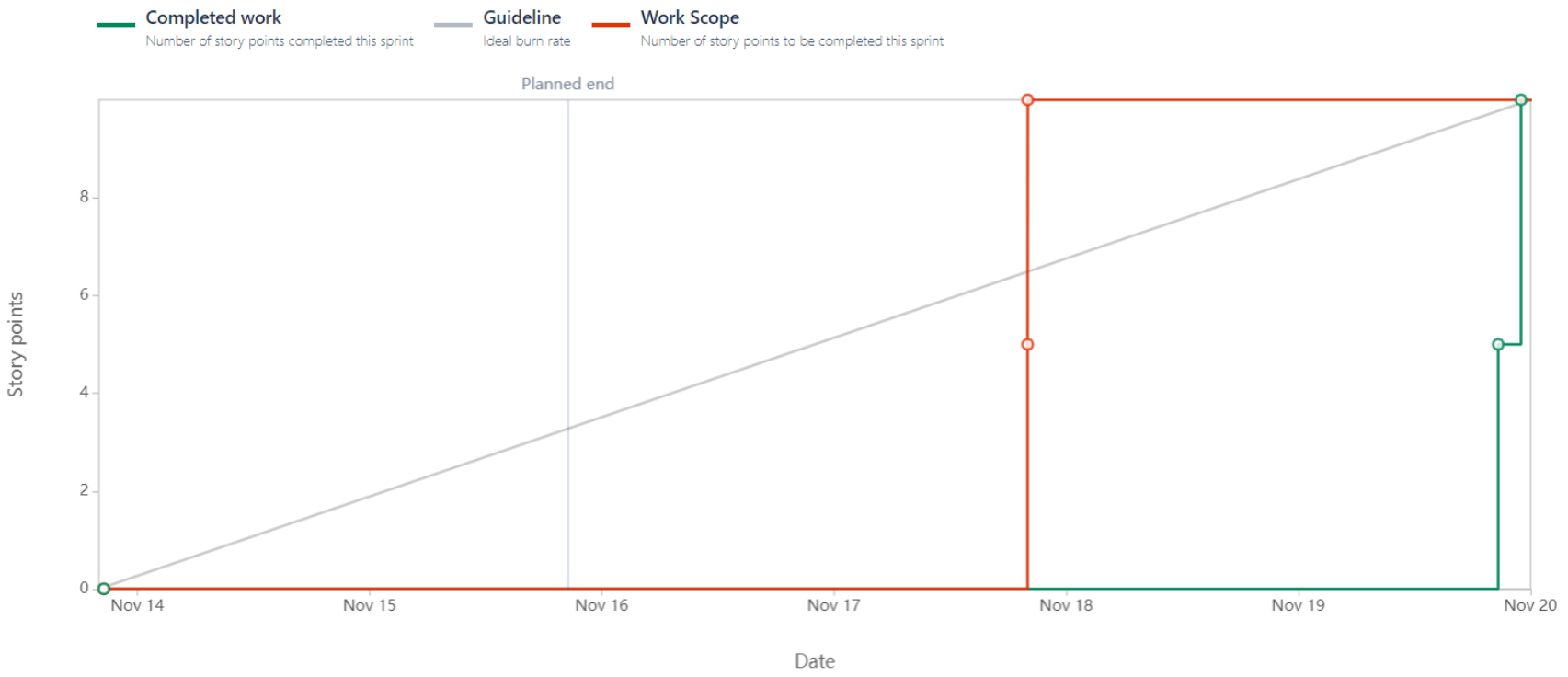


SPRINT - 6

Sprint: Sprint 6

Estimation field: Story points

Date - November 13th, 2023 - November 15th, 2023

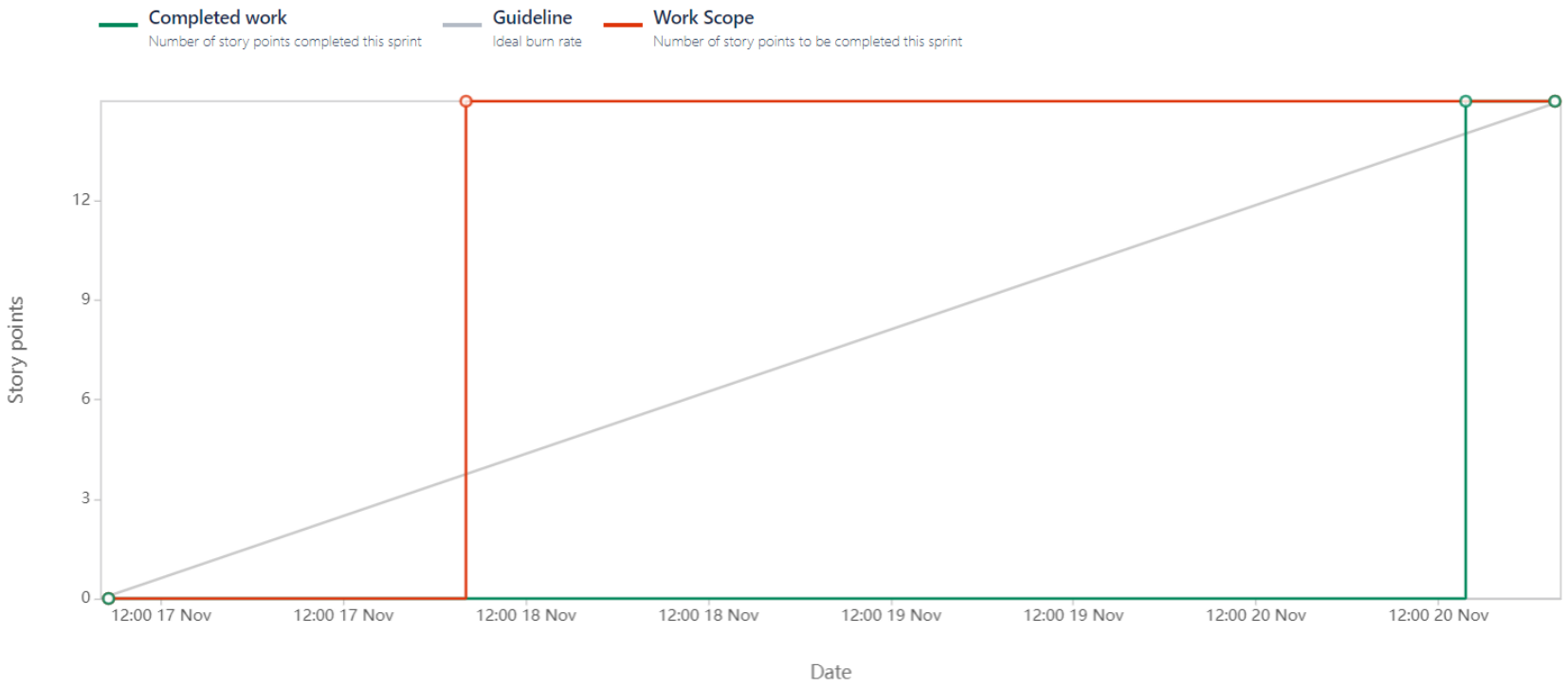


SPRINT - 7

Sprint: Sprint 7

Estimation field: Story points

Date - November 16th, 2023 - November 20th, 2023



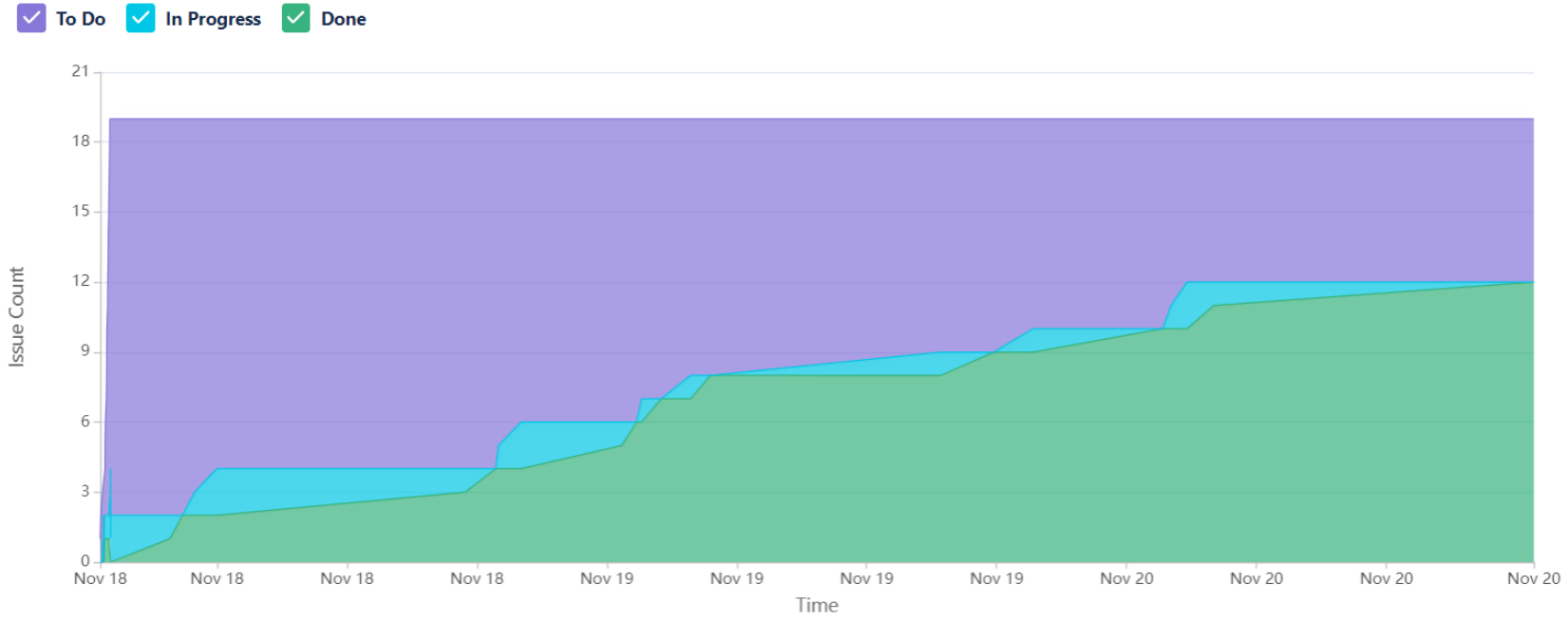
Cumulative Flow Diagram

Projects / TheSleepOracleNew / Reports

Cumulative flow diagram

How to read this report

Date filter: Custom dates | From date: 10/22/2023 | To date: 11/20/2023



Velocity Report

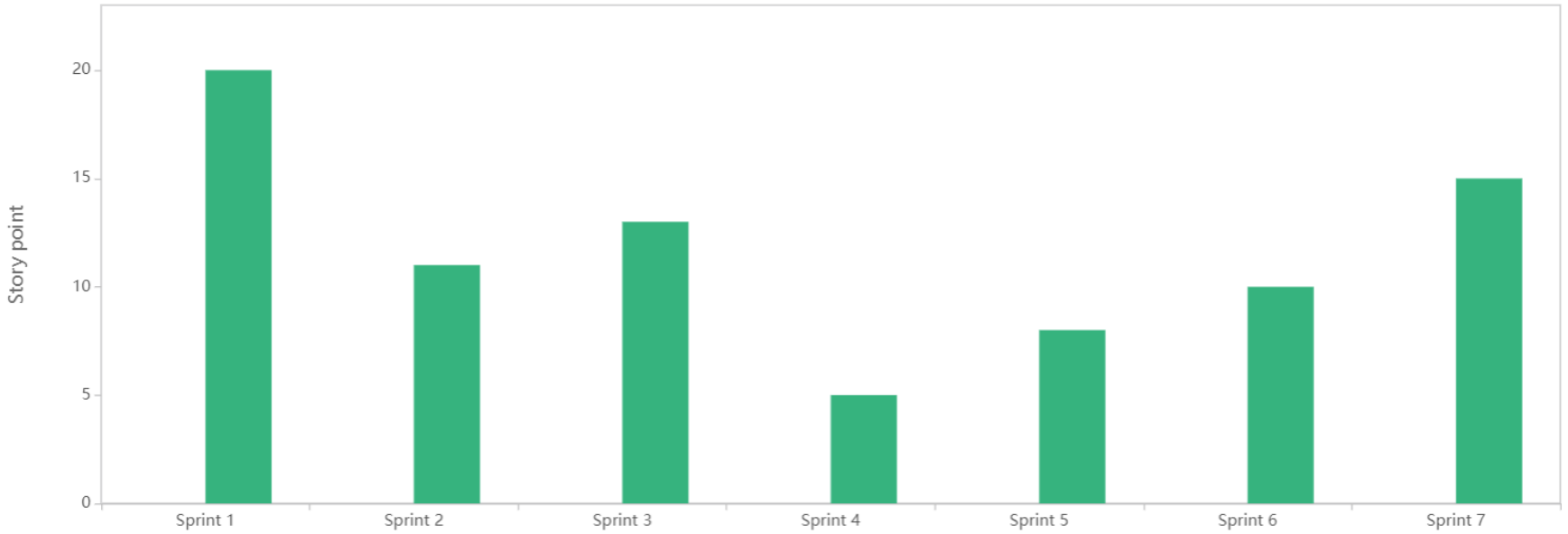
Projects / TheSleepOracleNew / Reports

Velocity report

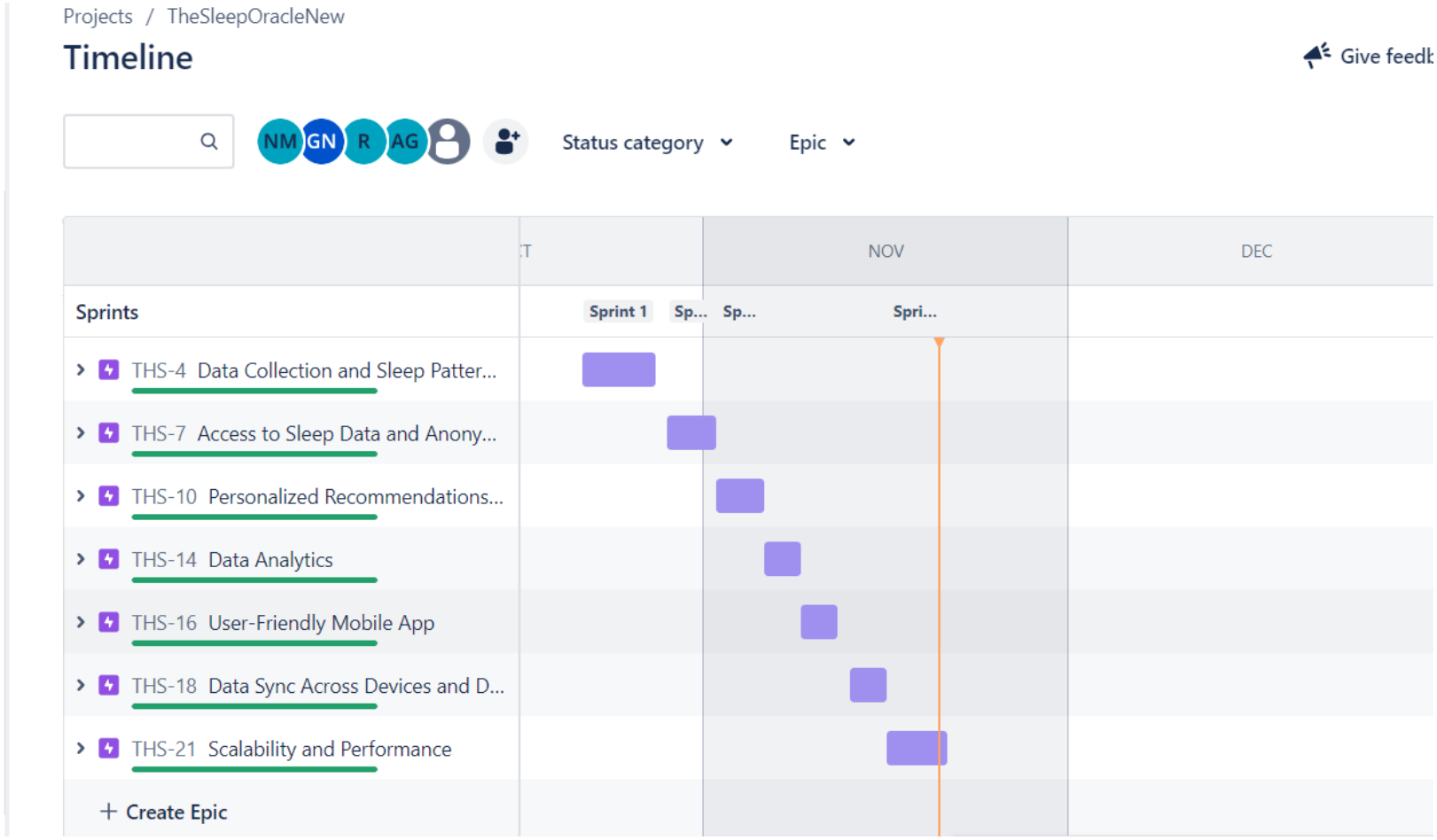
› How to read this report

Commitment
The amount of work in the sprint when it began.

Completed
The amount of work done during the sprint.



Timeline


Projects / TheSleepOracleNew
Timeline
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NM GN R AG
Status category
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Sprints
Sprint 1
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THS-4 Data Collection and Sleep Patter...
THS-7 Access to Sleep Data and Anony...
THS-10 Personalized Recommendations...
THS-14 Data Analytics
THS-16 User-Friendly Mobile App
THS-18 Data Sync Across Devices and D...
THS-21 Scalability and Performance
Create Epic

Reference:

https://thesleeporacle.atlassian.net/jira/software/projects/THS/boards/2/timeline

https://thesleeporacle.atlassian.net/jira/software/projects/THS/boards/2/reports/burnup

https://thesleeporacle.atlassian.net/jira/software/projects/THS/boards/2/reports/burndown?source=sidebar

https://thesleeporacle.atlassian.net/jira/software/projects/THS/boards/2/reports/cumulative