

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

Date	18 October 2022
Team ID	PNT2022TMID49865
Project Name	Virtual Eye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Sprint Delivery Plan

Project Tracker, Velocity & Burndown Chart:

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	4 Days	03 Nov 2022	06 Nov 2022	6	06 Nov 2022
Sprint-2	11	5 Days	06 Nov 2022	10 Nov 2022	11	10 Nov 2022
Sprint-3	5	5 Days	10 Nov 2022	14 Nov 2022	5	14 Nov 2022
Sprint-4	6	5 Days	14 Nov 2022	18 Nov 2022	6	18 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)

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

For Sprint-1 the Average Velocity (AV) is: $AV = \text{Sprint duration} / \text{velocity} = 6 / 4 = 1.5$

For Sprint-2 the Average Velocity (AV) is: $AV = \text{Sprint duration} / \text{velocity} = 11 / 5 = 2.2$

For Sprint-3 the Average Velocity (AV) is: $AV = \text{Sprint duration} / \text{velocity} = 5 / 5 = 1$

For Sprint-4 the Average Velocity (AV) is: $AV = \text{Sprint duration} / \text{velocity} = 6 / 5 = 1.2$

Total Sprint Average Velocity (AV) = 1.475

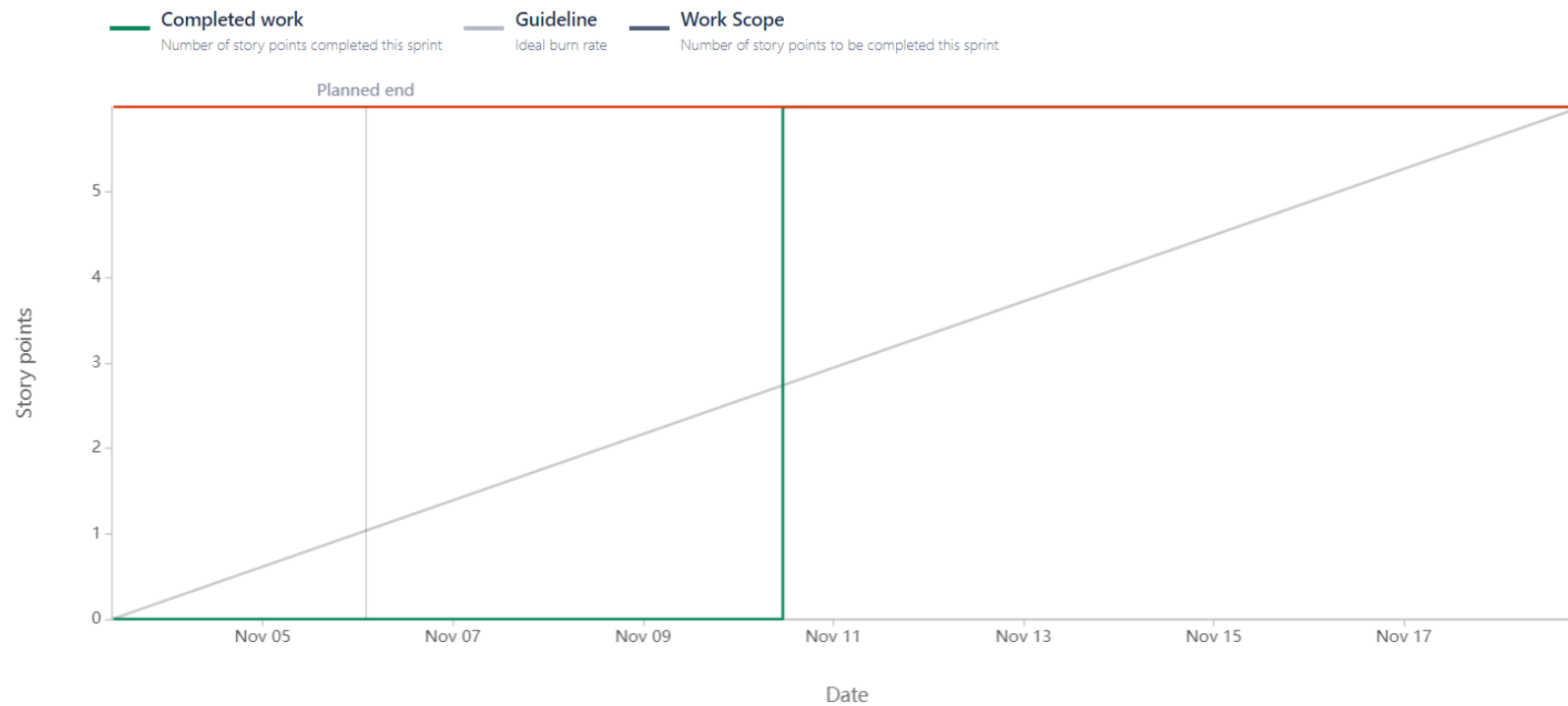
Burndown Chart:

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-1:

Date - November 3rd, 2022 - November 6th, 2022

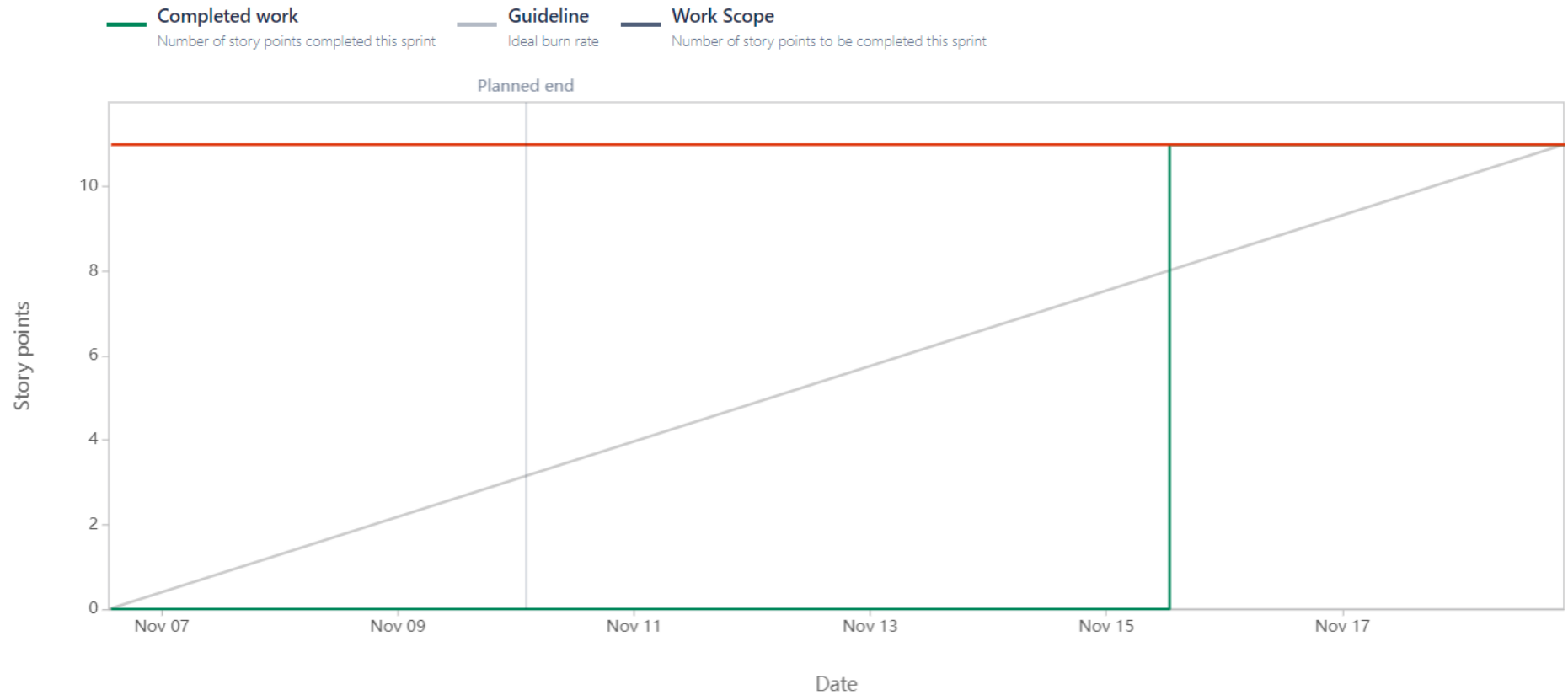
Sprint goal - To complete the registration and login features of the product



Sprint-2:

Date - November 6th, 2022 - November 10th, 2022

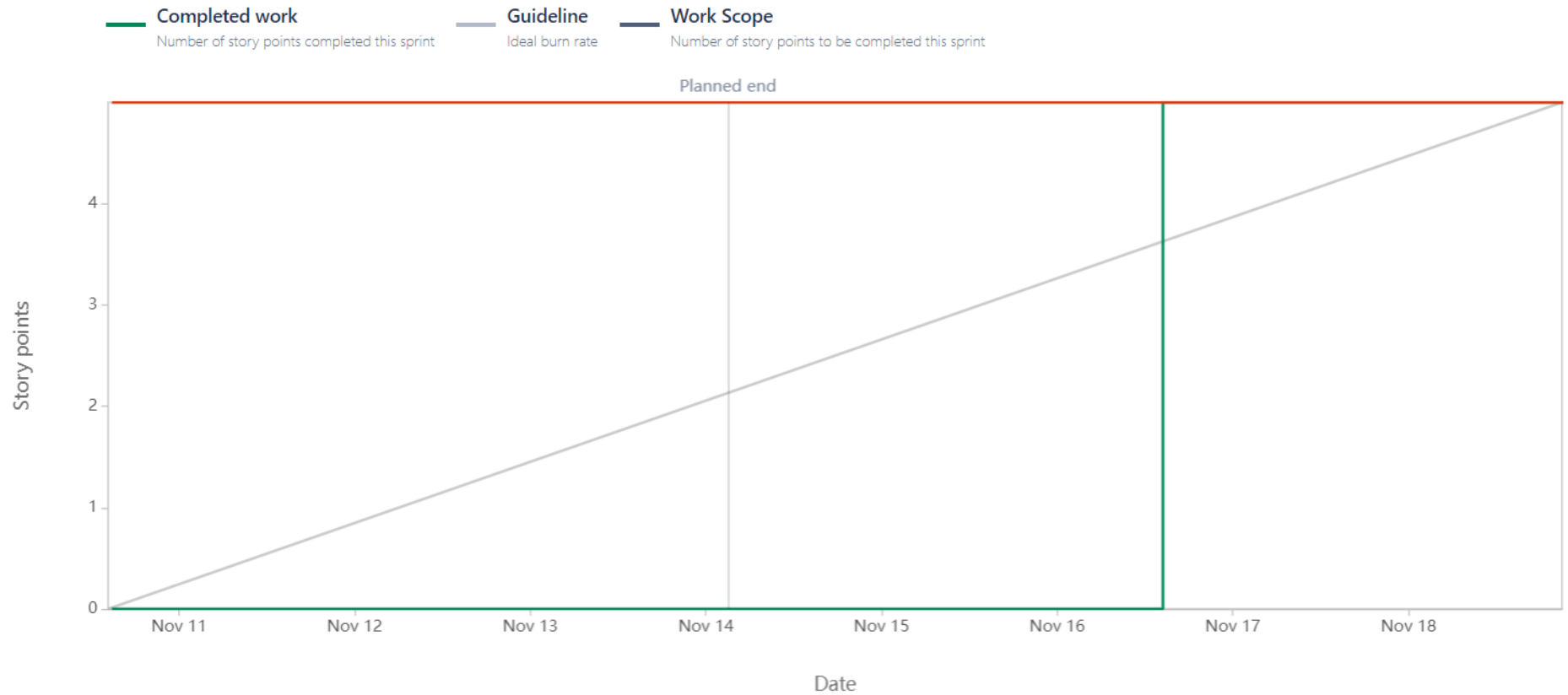
Sprint goal - To create add life guards and detection features of the product



Sprint-3:

Date - November 10th, 2022 - November 14th, 2022

Sprint goal - To create the alert and customer care features of the product



Sprint-4:

Date - November 14th, 2022 - November 18th, 2022

Sprint goal - To create the administration and logout features of the product

