**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID52529 |
| Project Name | Project – Inventory Management System For Retailers |

**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 | Login & Registration UI Design | USN-1 | As a user, I want login and registration page design | 2 | High | 4 |
| Sprint-1 | Landing Page UI Design | USN-2 | As a user, I want to view the application overview and available functionalities | 1 | High | 4 |
| Sprint-2 | Confirmation | USN-3 | As a user, I will receive confirmation email once I have registered for the application | 2 | Low | 4 |
| Sprint-2 | Login | USN-4 | As a user, I can log into the application by entering email & password | 2 | Medium | 4 |
| Sprint-2 | Dashboard | USN-5 | As a user, I can view the products which are available | 1 | High | 4 |
| Sprint-2 | Add items to cart | USN-6 | As a user, I can add the products I wish to buy to the carts | 5 | Medium | 4 |
| Sprint-3 | Stock Update | USN-7 | As a user, I can add products which are not available in the dashboard to the stock list. | 5 | Medium | 4 |
| Sprint-4 | Request to Customer Care | USN-8 | As a user, I can contact the Customer Care Executive and request any services I want from the customer care. | 5 | Low | 4 |
| Sprint-4 | Contact Administrator | USN-9 | I can be able to report any difficulties I experience as a report | 5 | Medium | 4 |

**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 | 7 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 9 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 10 | 19 Nov 2022 |

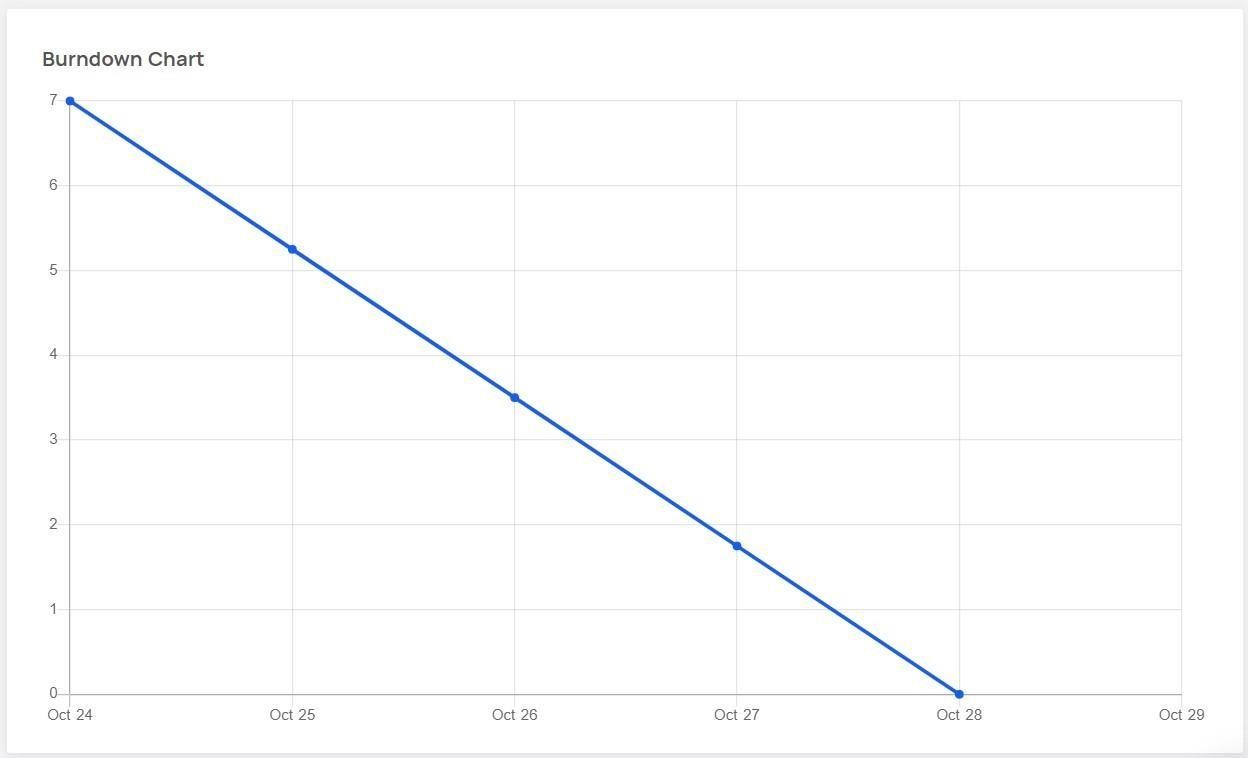
**Velocity:**

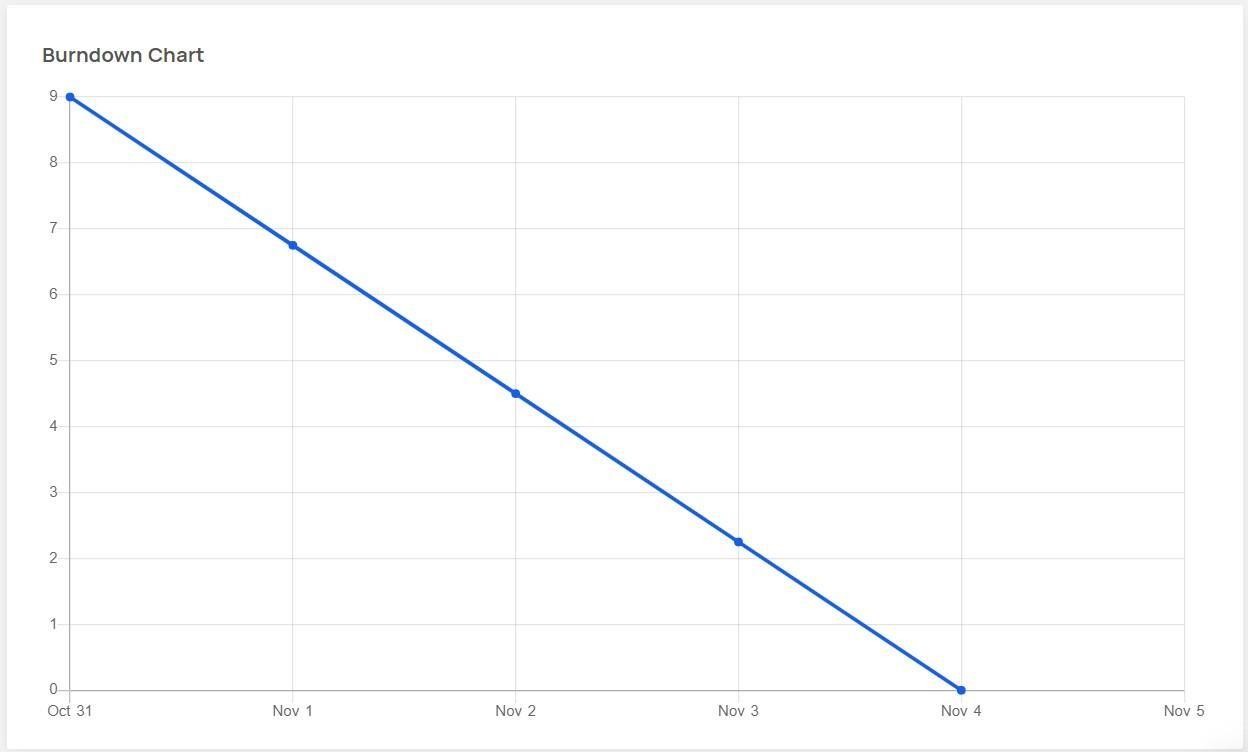
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

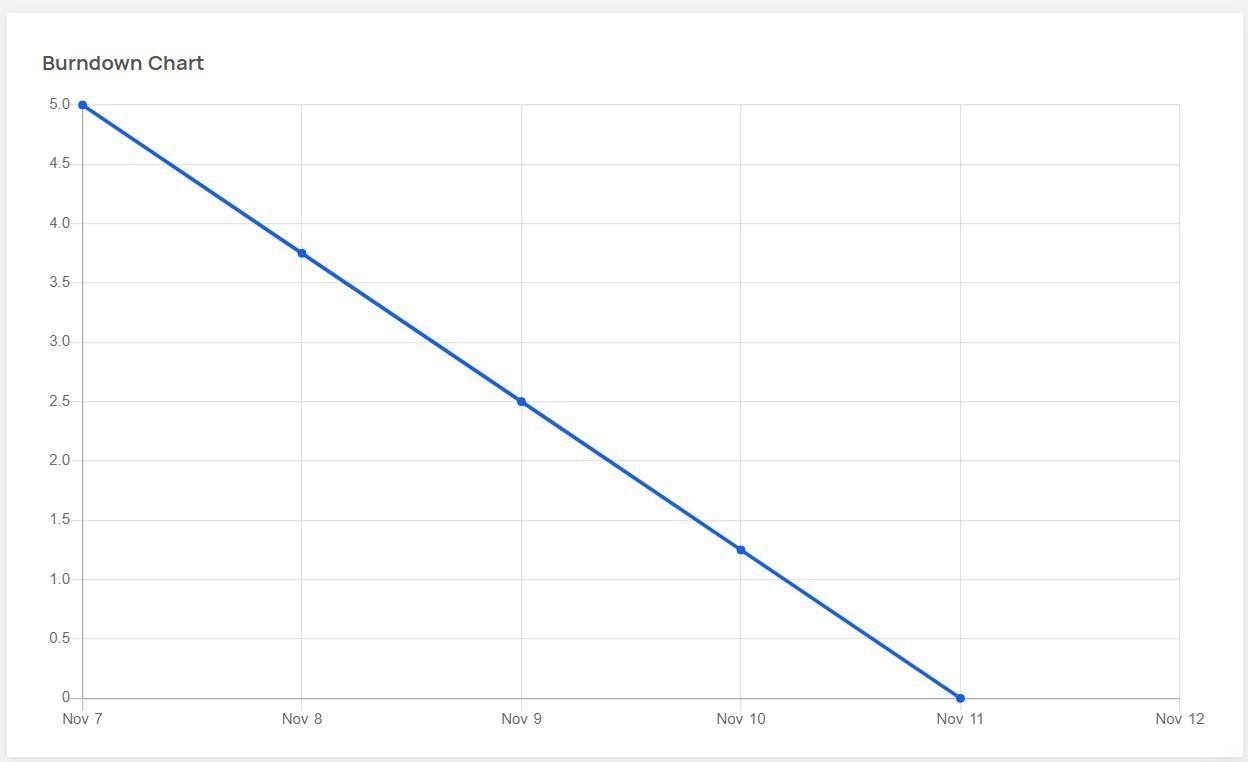


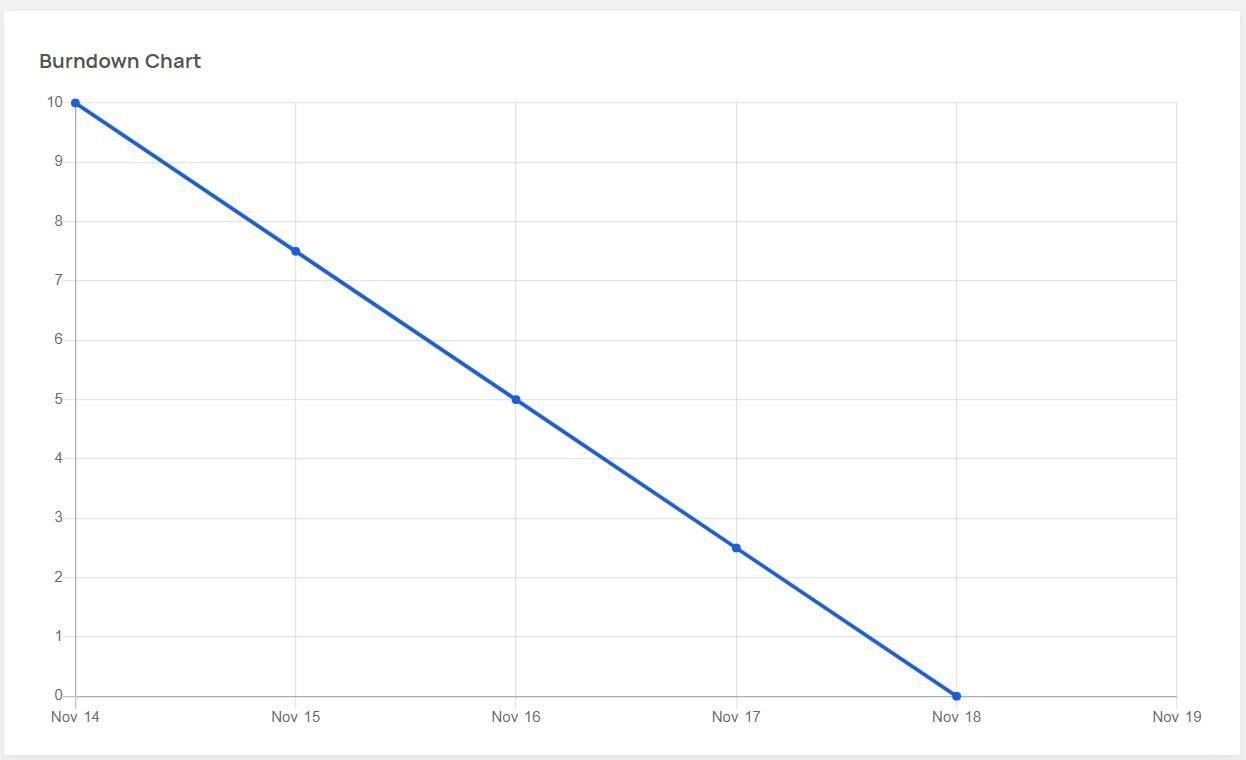
**Velocity**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprints** | **Sprint** **Duration** | **Velocity** | **Actual** **Velocity** |
| Sprint-1 | 6 | 7 | 0.85 |
| Sprint-2 | 6 | 9 | 0.66 |
| Sprint-3 | 6 | 5 | 1.2 |
| Sprint-4 | 6 | 10 | 0.6 |

**Burndown** **Chart**:

Sprint - 1

Sprint – 2

Sprint - 3

Sprint – 4

Project Tool: JIRA

