**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | SWTID1743689010 |
| Project Name | Book Store |
| Maximum Marks | 5 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 | User Registration | USN-1 | As a user, I can register by entering name, email, and password. | 2 | High | Akshat Raj |
| Sprint-1 | - | USN-2 | As a user, I can receive a welcome email after registering. | 1 | Medium | Bob |
| Sprint-1 | Login | USN-3 | As a user, I can log in using email and password. | 2 | High | Alice |
| Sprint-2 | Book Listings | USN-4 | As a user, I can browse a list of available books by category. | 3 | High | Carol |
| Sprint-2 | Book Listings | USN-5 | As a user, I can search books by title or author. | 2 | Medium | Akshat Raj |
| Sprint-2 | Dashboard | USN-6 | As a user, I can view my recent activity on the dashboard. | 2 | Low | Carol |
| Sprint-3 | Book Exchange Request | USN-7 | As a user, I can send an exchange request for a selected book. | 3 | High | Bob |
| Sprint-3 | Book Exchange Request | USN-8 | As a user, I can view the status of my exchange requests. | 2 | Medium | Akshat Raj |

**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 | 01 Mar 2025 | 06 Mar 2025 | 20 | 06 Mar 2025 |
| Sprint-2 | 20 | 6 Days | 08 Mar 2025 | 13 Mar 2025 | 18 | 14 Mar 2025 |
| Sprint-3 | 20 | 6 Days | 15 Mar 2025 | 20 Mar 2025 | 19 | 20 Mar 2025 |
| Sprint-4 | 20 | 6 Days | 22 Mar 2025 | 27 Mar 2025 | 20 | 27 Mar 2025 |

**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)



If we assume a 10-day sprint duration with 20 story points, the average velocity (AV) is:

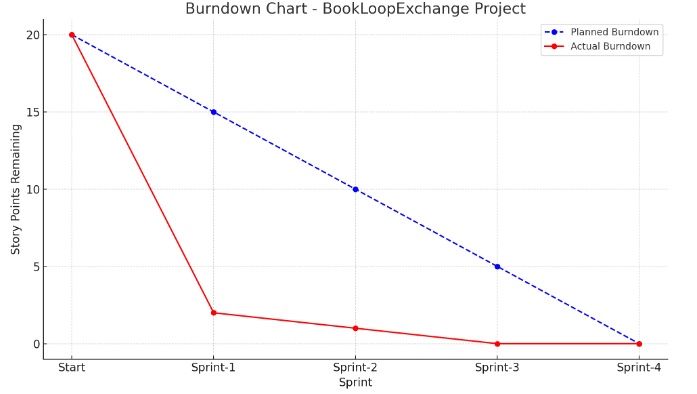
AV = = = 2 story points / day

For your 6-day sprints:

AV = ≈ 3.33 story points / day

**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

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