**Project Planning Phase**

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

| Date | 23rd May 2025 |
| --- | --- |
| Team ID |  |
| Project Name | BookNest |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High |  |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High |  |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through Facebook | 2 | Low |  |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium |  |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High |  |
| Sprint-2 | Dashboard | USN-6 | As a user, I can view personalized book recommendations on my dashboard. | 3 | High |  |
| Sprint-2 | Dashboard | USN-7 | As a user, I can see my recent orders and wishlist on the dashboard. | 2 | Medium |  |
| Sprint-3 | Book Search | USN-8 | As a user, I can search for books by title, author, or genre. | 2 | High |  |
| Sprint-3 | Cart | USN-9 | As a user, I can add books to my cart and update quantities before checkout. | 2 | High |  |
| Sprint-3 | Checkout | USN- 10 | As a user, I can checkout using saved addresses and pay securely. | 3 | High |  |

**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 Apr 2025 | 29 Apr 2025 | 20 | 29 Apr 2025 |
| Sprint-2 | 20 | 6 Days | 31 Apr 2025 | 05 May 2025 | 20 | 05 May 2025 |
| Sprint-3 | 20 | 6 Days | 07 May 2025 | 12 May 2025 | 20 | 12 May 2025 |
| Sprint-4 | 20 | 6 Days | 14 May 2025 | 19 May 2025 | 20 | 19 May 2025 |
|  |  |  |  |  |  |  |
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**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)



**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.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)