**Project Planning Phase**

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

**Date:** 26-06-2025  
**Team ID:** LTVIP2025TMID42803  
**Project Name:** BookNest  
**Maximum Marks:** 5 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 | User Authentication | USN-1 | As a user, I can register and log in securely. | 3 | High | Harini |
|  |  | USN-2 | As a user, I can reset my password. | 2 | Medium | Pooja |
| Sprint-2 | Book Browsing & Discovery | USN-3 | As a user, I can browse and search books by genre, author, and title. | 3 | High | Karthik |
| Sprint-3 | Book Management | USN-4 | As an admin, I can add, update, and delete books from the catalog. | 3 | High | Harini |
|  |  | USN-5 | As a user, I can view book details and availability. | 2 | Medium | Pooja |
| Sprint-4 | Order Placement & History | USN-6 | As a user, I can add books to cart and place an order. | 3 | High | Karthik |
|  |  | USN-7 | As a user, I can view my order history. | 2 | Medium | Harini |

### **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 | 5 | 6 Days | 26-06-2025 | 01-07-2025 | 5 | 01-07-2025 |
| Sprint-2 | 3 | 6 Days | 02-07-2025 | 07-07-2025 | 3 | 07-07-2025 |
| Sprint-3 | 5 | 6 Days | 08-07-2025 | 13-07-2025 | 5 | 13-07-2025 |
| Sprint-4 | 5 | 6 Days | 14-07-2025 | 19-07-2025 | 5 | 19-07-2025 |

### **Velocity**

Velocity is the average number of story points completed in a sprint.  
**Formula:** Velocity = Total Completed Story Points / Number of Sprints  
= (5 + 3 + 5 + 5) / 4 = **4.5 points per sprint**

If each sprint is 6 days, then average velocity per day = 4.5 / 6 = **0.75 points/day**

### **Burndown Chart**

A burndown chart visually shows the remaining work (story points) against time.

**Example Tools:** - [Visual Paradigm Burndown Tool](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/) - [Atlassian Burndown Tutorial](https://www.atlassian.com/agile/tutorials/burndown-charts)

It helps track: - How quickly the team is completing work - Whether they are on track to complete the sprint goals

### **References**

* 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/epics
* https://www.atlassian.com/agile/tutorials/sprints
* https://www.atlassian.com/agile/project-management/estimation
* https://www.atlassian.com/agile/tutorials/burndown-charts