**Project Planning Phase**

**Project Planning Template**

|  |  |
| --- | --- |
| Date | 03 APRIL 2025 |
| Team ID | SWTID1743696165 |
| Project Name | Bookie Nest: Book management website |
| Maximum Marks | 5 marks |

**Product Backlog, Sprint Schedule, and Estimation**

| **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 by providing my email, username, and password. | 3 | High | Anurag, Harshal, Baibhav, Akhand |
| Sprint-1 | User Authentication | USN-2 | As a user, I can log in with my credentials securely. | 2 | High | Anurag, Harshal, Baibhav, Akhand |
| Sprint-1 | Frontend Setup | USN-3 | Set up React frontend and routing for Home, Login, and Register pages. | 3 | Low | Anurag, Harshal, Baibhav, Akhand |
| Sprint-1 | Backend Setup | USN-4 | Set up Node.js server and MongoDB connection. | 3 | Medium | Anurag, Harshal, Baibhav, Akhand |
| Sprint-2 | Book Search | USN-6 | As a user, I can search for a book using keywords. | 3 | High | Anurag, Harshal, Baibhav, Akhand |
| Sprint-2 | Wishlist | USN-7 | As a logged-in user, I can add or remove books from my personal Wishlist. | 4 | Medium | Anurag, Harshal, Baibhav, Akhand |

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-2 | Responsive UI | USN-8 | Design a responsive and user-friendly UI using CSS or Material UI. | 3 | High |  |
| Sprint-1 | Deployment | USN-9 | Deploy MERN app on Render/Netlify/Heroku with environment variables. | 4 | High |  |

**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 | 11 | 3 Days | 30 Mar 2025 | 02 Apr 2025 | 11 | 03 Apr 2025 |
| Sprint-2 | 18 | 3 Days | 04 Apr 2025 | 07 Apr 2025 | 18 | 07 Apr 2025 |

**Velocity:**



**Velocity=Total Story Points Completed/Number of Sprints**

**Velocity=11+18/2 =14.5 story points per Sprint**

**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.

**Sprint-1 Burndown Data**

|  |  |
| --- | --- |
| **Date** | **Story Points Remaining** |
| 30 Mar 2025 | 20 |
| 31 Mar 2025 | 14 |
| 01 Apr 2025 | 6 |
| 02 Apr 2025 | 0 |

**Sprint-2 Burndown Data**

|  |  |
| --- | --- |
| **Date** | **Story Points Remaining** |
| 04 Apr 2025 | 20 |
| 05 Apr 2025 | 13 |
| 06 Apr 2025 | 7 |
| 07 Apr 2025 | 0 |

