

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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
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:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

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 methodologies such as Scrum. 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

