Project Planning Phase

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

Date	26-06-2025
Team ID	LTVIP2025TMID19414
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

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)

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

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
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