Project Planning Phase

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

Date	22 July 2024
Team ID	SWTID1720760336
Project Name	Project - Book Store - Where Stories Nestle
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (2 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	Utkarsh, Vipin
Sprint-1	Search Your Book	USN-2	As a user, I can search for books using keywords such as title, author, or genre.	3	High	Utkarsh, Vipin
Sprint-2	Read Online	USN-3	As a user, I can read e-books directly within the app.	5	Low	Utkarsh, Vipin
Sprint-1	Order Your Book	USN-4	As a user, I can add books to my cart.	3	Medium	Utkarsh, Vipin
Sprint-1	View Orders and Cart History	USN-5	As a user, I can view my past orders and cart history.	4	High	Utkarsh, Vipin
	Dashboard					

Project Tracker, Velocity & Burndown Chart: (2 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	2	2 Days	06 July 2024	07 July 2024	2	07 July 2023
Sprint-2	3	3 Days	08 July 2024	12 July 2024	3	
Sprint-3	5	5 Days	13 July 2024	16 July 2024	5	
Sprint-4	3	3 Days	17 July 2024	19 July 2024	3	
Sprint-5	4	4 Days	20 July 2024	22 July 2024	4	23 July 2024

Velocity:
Imagine we have a 17-day sprint duration, and the velocity of the team is 15 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Calculate Velocity

The velocity for each sprint can be defined as:

$$\text{Velocity} = \frac{\text{Total Story Points}}{\text{Number of Sprints}} = \frac{17}{5} = 3.4 \text{ story points/sprint}$$

Therefore, for each sprint:

$$\text{Sprint Duration} = \frac{\text{Total Duration}}{\text{Number of Sprints}} = \frac{17}{5} = 3.4 \text{ days/sprint}$$

So, your Agile Velocity calculation can be confirmed and interpreted correctly within the context of your project as follows:

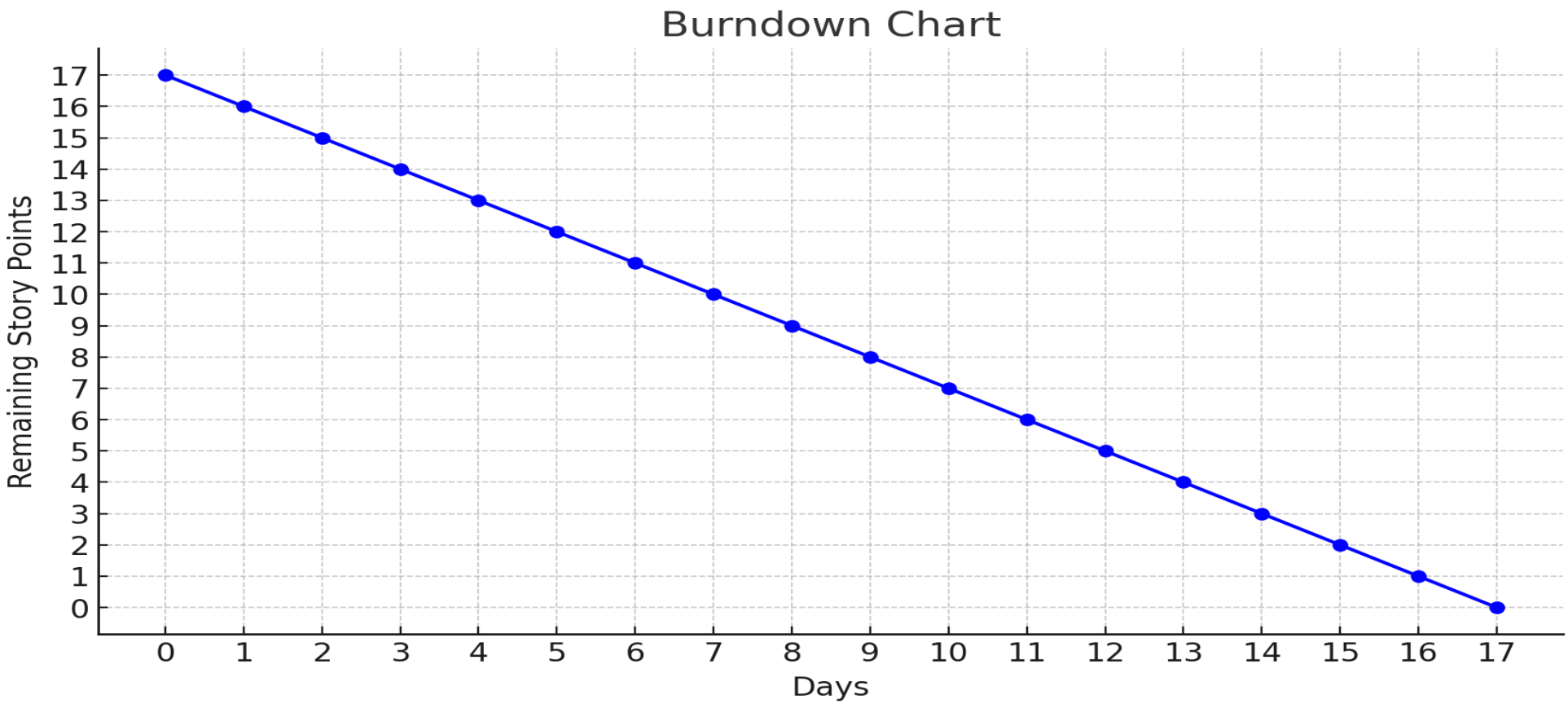
Final Calculation

$$\text{Agile Velocity (AV)} = \frac{\text{Total Story Points}}{\text{Total Duration}} = \frac{17}{17} = 1 \text{ story points/day}$$

Burndown Chart:

A burndown 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:

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https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
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