

4Project Planning Phase

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

Date	26 October 2023
Team ID	PNT2022TMID 591012
Project Name	Project – snack squad
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

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 Sign Up for the application by entering my email, password, and confirming my password.	2	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	2	Medium	
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password.	1	High	
Sprint-2	Dashboard	USN-5	As a user, I can see all the available snack hotels near me on the dashboard.	1	medium	
Sprint-2	Items list	USN-6	AS a user, once a hotel is selected the list of items are displayed to choose our preferred snack item.		medium	
Sprint - 3	customization	USN-7	As a user, I have selected a snack, then I can add customized ingredients to my snack item as our requirement.	1	medium	
Sprint -3	Place order	USN-8	As a user , after customizing our snack I can proceed to place order (only cash on del).		high	
Sprint -4	Order tracking	USN-9	As a user, once the order is placed , order tracking will be displayed until the order is received.	1	high	
Sprint-5	Rating	USN-10	As a user, after receiving the order I can give ratings to the platform and the hotels.		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	4 Days	04 Nov 2023	08 Nov 2023	20	9 Nov 2023
Sprint-2	20	5 Days	04 Nov 2023	09 Nov 2023	20	10 Nov 2023
Sprint-3	20	5 Days	09 Nov 2023	14 Nov 2023	20	15 Nov 2023
Sprint-4	20	6 Days	10 Nov 2023	16 Nov 2023	20	17 Nov 2023
Sprint -5	20	2 Days	15 Nov 2023	17 Nov 2023	20	18 Nov 2023

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)

For sprint-1 :
 $AV = 20 / 4 = 5$

For sprint 2:
 $AV = 20 / 5 = 4$

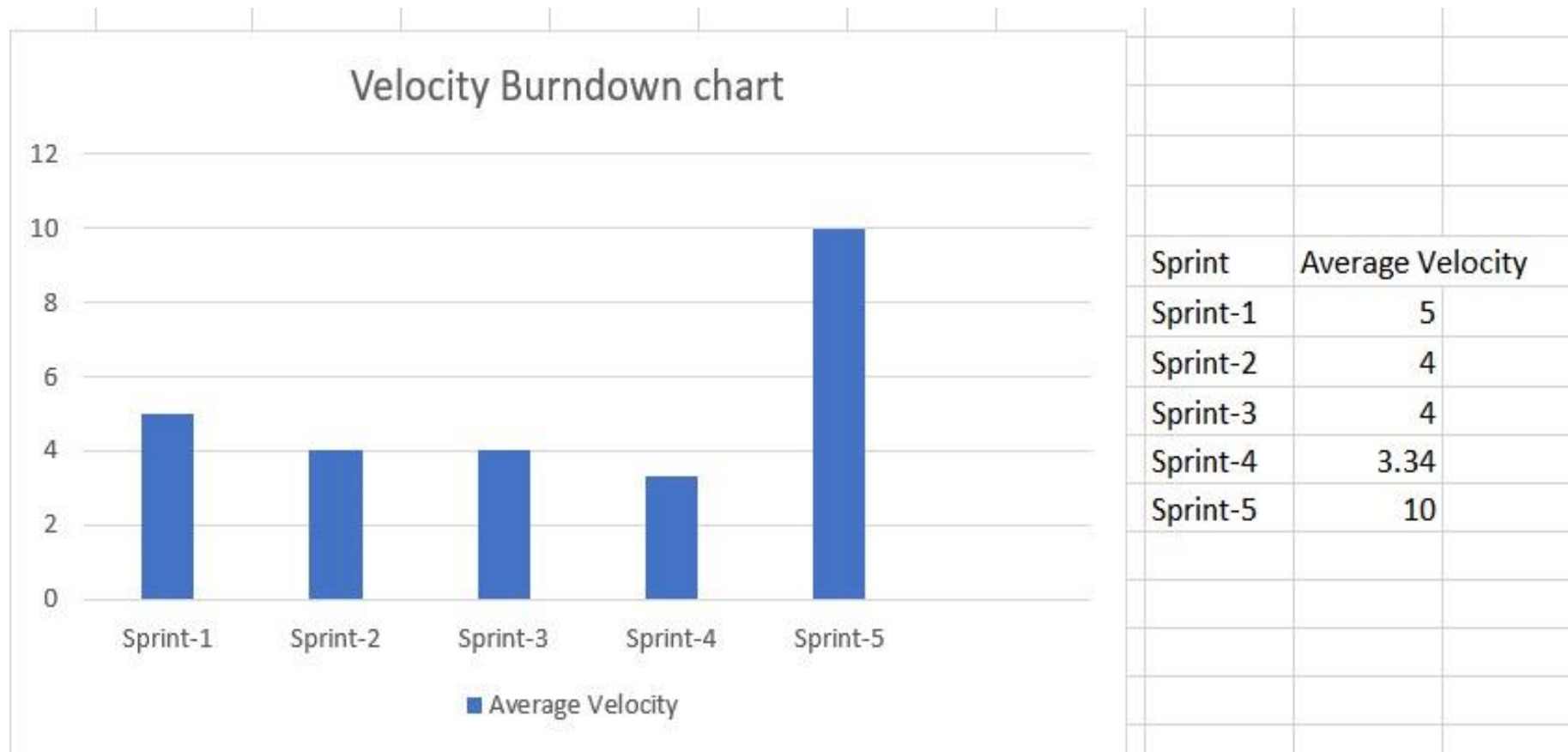
For sprint 3:
 $AV = 20 / 5 = 4$

For sprint 4:
 $AV = 20 / 6 = 3.34$

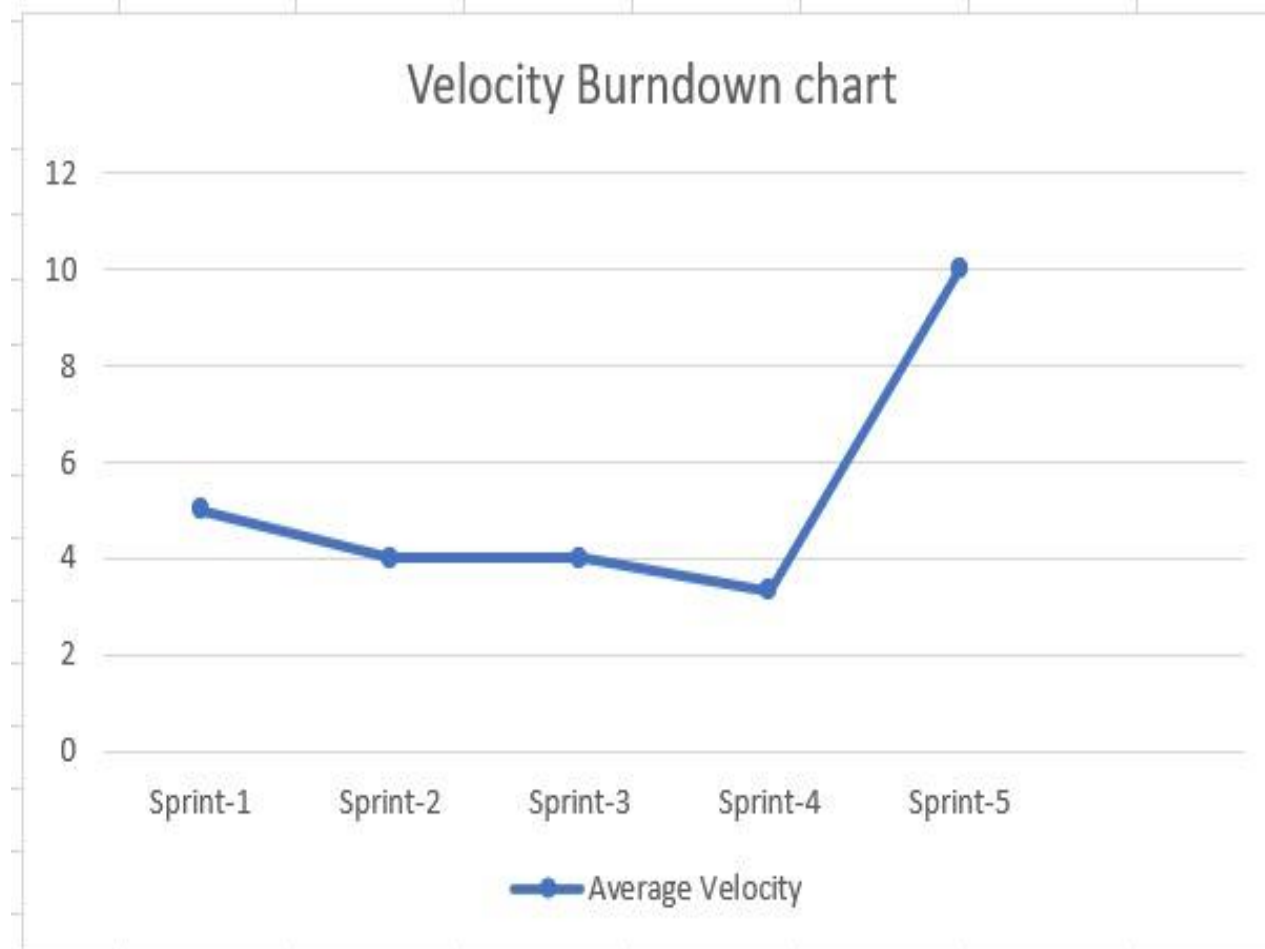
For sprint 5 :
 $AV = 20 / 2 = 10$

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.



Velocity Burndown chart



Sprint	Average Velocity
Sprint-1	5
Sprint-2	4
Sprint-3	4
Sprint-4	3.34
Sprint-5	10