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

Date	14 November 2022
Team ID	PNT2022TMID10787
Project Name	Inventory Management System for Retailers

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.	4	High	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-1	User details verification	USN-2	As a user, I can verify the details that I had entered and check whether they are properly stored.	3	High	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-1	Login	USN-3	As a user, I am able to login with the registered credentials.	4	Medium	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-2	Dashboard	USN-4	As a user, I can view my account information, order history, address, Bank and payment details.	3	Medium	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-2	New releases and offers	USN-5	As a user, I can view the newly launched products in the market and the offers applied on them for the orders.	3	High	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Stock verification and sales updating	USN-6	As a user, I can check for the available products under the searches and filters, and can verify with its specifications and sales of the product	4	Medium	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-3	Order booking & checking	USN-7	As a user, I am able to book an order to purchase the products of my choice, pay money through online and can track the product till its delivery.	4	High	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-4	Customer feedback	USN-8	As a user, I can enter the feedback for the service provided.	3	Medium	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M
Sprint-4	Customer care services	USN-9	As a user, I can access the customer care services and address the issues that I face.	4	High	Srivani C, Sumitha H, Suvetha S, Sweda darshini A, Tharunika B M

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	11	6 Days	24 Oct 2022	29 Oct 2022	11	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	19 Nov 2022

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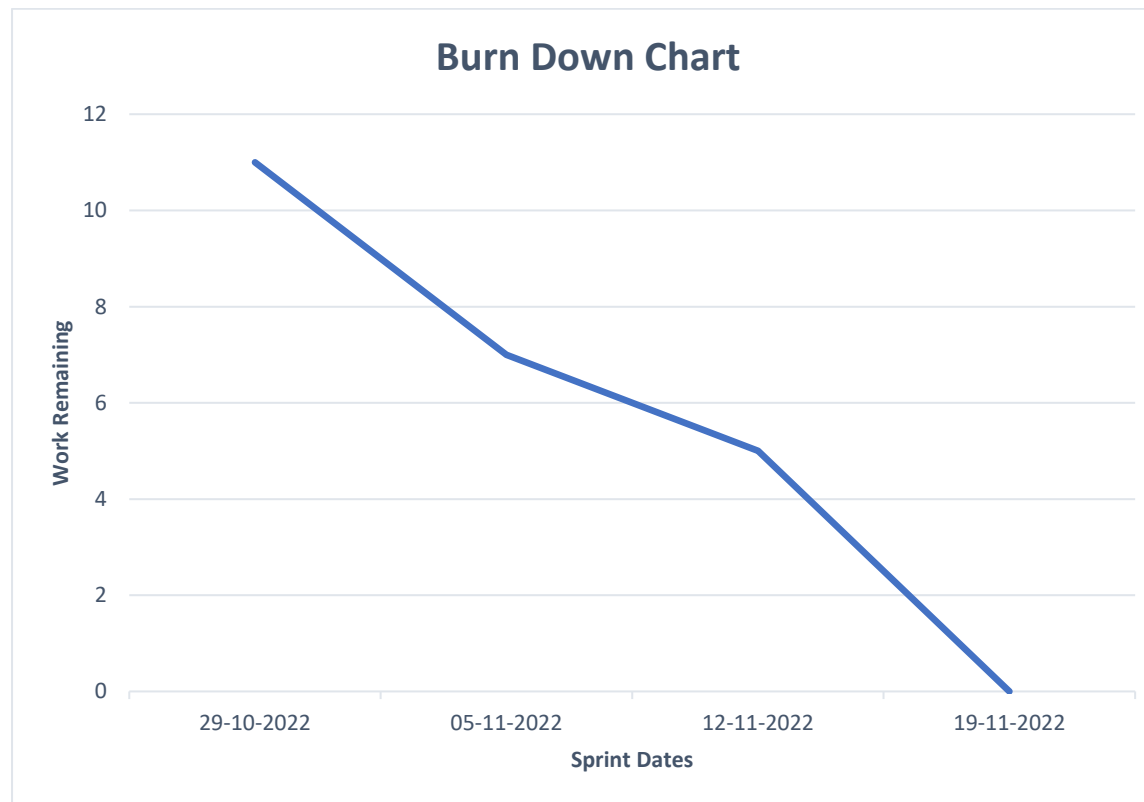
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Our velocity should be:

$$AV = (11+6+8+7)/\ 24$$

$$= 32/24 = 1.33$$

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

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts