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

Date	22 October 2022
Team ID	PNT2022TMID17815
Project Name	Inventory Management System for Retailers
Maximum Marks	8 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.	3	High	Manojkumar M Madhan T
Sprint-1		USN-2	As a user, I can register through my E-mail	1	Medium	Manojkumar M Madhan T
Sprint-1	Login ID	USN-3	As a user, I got the login ID.	3	High	Manojkumar M Madhan T
Sprint-1	Login	USN-4	As a user, I can log in to the authorized account by entering the Login ID and password	3	Medium	Manojkumar M Madhan T

Sprint-2	Dashboard	USN-5	As a user, I can view the products that are available currently.	2	High	Manojkumar M Bhuvanesh V Balasubramanian M
Sprint-2	Add Stock	USN-6	As a user, I can add my own stock which are needed for my inventory.	3	Medium	Manojkumar M Bhuvanesh V Balasubramanian M
Sprint-3	Stock Management	USN-7	As a user, I can add or remove the stocks.	2	Medium	Manojkumar M Madhan T Bhuvanesh V Balasubramanian M
Sprint-3	Get stock notification	USN-8	As a user, I get the stock available notification at a regular time interval	3	Low	Manojkumar M Madhan T Bhuvanesh V Balasubramanian M
Sprint-4	Manage the History of product.	USN-9	As a user, I need to know the sales history for my inventory	1	Low	Madhan T Bhuvanesh V Balasubramanian M
Sprint-4	Income management	USN-10	As a user, I need to know the profit and lose of my inventory	2	Medium	Madhan T Bhuvanesh V Balasubramanian 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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	3	6 Days	14 Nov 2022	19 Nov 2022	3	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:

$$AV = \frac{(10+5+5+3)}{12} = \frac{31}{24} = \mathbf{1.91667}$$

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.