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

Date	18 October 2022
Team ID	PNT2022TMID10872
Project Name	Project – Inventory Management System
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 dealer, I can register for the application by entering my name, email, password and confirming my password.	2	High	R.Jayashree C.Abhirami
Sprint-1		USN-2	As a dealer, my stock application will be verified by an admin and notified about it.	2	High	B.Abinaya K.Abinaya
Sprint-2		USN-3	As a dealer, I can log into the account by entering email and password	2	Low	C.Abhirami K.Abinaya
Sprint-2		USN-4	As a dealer, I can change my availability through the site	1	Medium	R.Jayashree B.Abinaya.
Sprint-3	Login	USN-5	As a dealer, I can see the requested details for the products	1	High	R.Jayashree K.Abinaya
Sprint-3	Dashboard	USN-6	As a user I can easily search for the availability of stock to buy	2	High	B.Abinaya C.Abhirami
Sprint-4		USN-7	As a user I can easily contact the stock dealer directly	2	High	C.Abhirami K.Abinaya
Sprint-4		USN-8	Send the campaign to the user	1	Medium	R.Jayashree B.Abinaya

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 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

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