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

Date	22 October 2022
Team ID	PNT2022TMID02315
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 StoryNumber	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.	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-3		USN-4	As a user, I can register for the application.	8	High	
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S

Sprint		USN	User Story			
Sprint-2		USN-6	As a user, I should be able to change passwordwhenever I prefer.	2	Medium	
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter productdetails in the app	2	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-8	As a retailer, I should be able to add or removequantity of products in the app.	3	Medium	
Sprint-2		USN-9	As a retailer, I should get alert on stockshortage or unavailability.	5	Medium	
Sprint-1	Order	USN-7	As a user, I should be able to order items on theapp	2	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to editdetails of the users of the app.	8	High	
Sprint-4		USN-2	Termination user accounts temporarily orpermanently if needed.	5	Low	
Sprint-2	Feedback	USN-1	As a customer care team member, I should beable to get feedback from the users.	2	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	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