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

Date	28 October 2022
Team ID	PNT2022TMID25500
Project Name	Project - Inventory Management System For Retailes
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.	5	High	Gowri sankar Hari haran Kugan
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Hari haran Kugan Mutheswaran
Sprint-1	Login	USN-3	As a user, I can register for the application through Gmail	8	Low	Ganesh Hari haran Mutheswaran
Sprint-1		USN-4	As a user, I can log into the application by entering email & password	4	Medium	Gowri sankar Mutheswaran Ganesh
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	10	High	hari haran Kugan Ganesh
Sprint-3	Stock Update	USN-6	As a user, I can add products which are not available in the dashboard to the stock list	6	Medium	Mutheswaran Gowri sankar Ganesh
Sprint-3			As a user, can edit the product price details in the inventory	4	High	Kugan Hari haran

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
sprint-3		USN-7	As a user , can click the submit bitton to update the stock inventory	10	Medium	Ganesh Gowri sankar
Sprint-4	Contact Customer Care	USN-8	I can be able to report any difficulties I experience as a report	15	HIgh	Mutheswaran Gowri sankar Ganesh Kugan Hari haran

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	19	6 Days	24 Oct 2022	29 Oct 2022	19	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	15	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)

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

Velocity:

Average Velocity of sprin-1: AV = 19/6 = 3.16

Average Velocity of sprin-2: AV = 10/6 = 1.66

Average Velocity of sprin-3: AV = 20/6 = 3.33

Average Velocity of sprin-4: AV = 15/6 = 2.5

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