Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	8 November 2022
Team ID	PNT2022TMID31378
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	User can create an account by providing business mail id and password	5	High	1,2,3,4
Sprint-2	Registration/login	USN-2	Two step authentication using one time password to provide mail id or phone number	10	High	1,2,3,4
Sprint-1	Login	USN-3	Using registered mail Id	5	High	1,2,3,4
Sprint-1	Main Dashboard	USN-4	User need to complete account settings like giving the details about their inventory and their branches	10	High	1,2,3,4
Sprint-2	Hub Maintenance	USN-5	User can able to create a separate account for individual hub and he can able to create access policy to share their account with their hub managers	10	High	1,2,3,4
Sprint-3	Hub Dashboard login	USN-6	Hub mangers can able to login to the account to access their allotted hub details	10	High	1,2,3,4
Sprint-3	Hub dashboard	USN-7	Hub mangers can able to add product details and production details. They can also provide access to their allotted space to others.	10	High	1,2,3,4
Sprint-4	Communication system	USN-8	User and hub mangers can get the details of the stock moment via mail or chat bot .	20	Medium	1,2,3,4

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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