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

Date	18 October 2022
Team ID	PNT2022TMID53054
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	Login	USN-1	As a user, I can log into the application by entering email & password	2	High	Karthik A
Sprint-1	Registration	USN-2	As a user, I can register for the application by entering my email, password, and confirming my password. As a user, I will receive confirmation email once I have registered for the application	2	High	Jayaraja S.K
Sprint-1	Dashboard	USN-3	As a user, I can login into my application	3	High	Akshay Varma
Sprint-2	Add Customer related components	USN-4	As a user, I add a new customer / manage their details before performing a sale	3	High	Akshay Varma
Sprint-2	Add Stock related components	USN-5	As a user, I can search for a particular item for its availability	3	High	Hemanent S
Sprint-2	Add item related components	USN-6	As a user, I can add new items to the inventory along with the quantity bought	3	High	Karthik A
Sprint-3	Add Sales related components	USN-7	As a user, I can perform sale for a customer by entering the items and the quantity bought by him	3	High	Hemanent S
Sprint-3	Implement Data Visualization	USN-8	As a user, I can view the list of items along with the quantity bought in a particular time period	2	High	Hemanent S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Integrate with SendGrid Service	USN-9	As a user, I will receive email notifications	2	High	Jayaraja S.K
Sprint-4	Cloud Deployment	USN-10	As a user, I can view the application anywhere with internet access	3	High	Karthik A

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	7	7 Days	24 Oct 2022	30 Oct 2022	7	- (Meet Planned Date)
Sprint-2	9	7 Days	31 Oct 2022	06 Nov 2022	9	- (Meet Planned Date)
Sprint-3	5	7 Days	07 Nov 2022	13 Nov 2022	5	- (Meet Planned Date)
Sprint-4	5	7 Days	14 Nov 2022	20 Nov 2022	5	- (Meet Planned Date)

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)

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

Average Velocity:

Average points per sprint = (7 + 9 + 5 + 5)/4 = 6.5

Story points per day/Average Velocity = 6.5/7 = 0.928

Burndown Chart:

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.

The burndown chart can only be generated once a sprint or two is completed. It currently doesn't generate a burndown chart. We will upload the same to the Jira Files directory as and when our burndown chart gets updated.