Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID44318
Project Name	Inventory Management System for Retailers
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirements (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 & confirming my password.	3	High	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V
Sprint-1	Login	USN-2	As a user, I can login to product database and see the information about product.	3	High	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V
Sprint-2	Dashboard	USN-3	As a user, I can see if there is any underflow or overflow. If there is underflow condition, I can order products, otherwise I can eliminate the stock which is not in large usage. I will be notified via e-mail.	4	High	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V

Sprint	Functional Requirements (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Stock Maintenance	USN-4	As a user, I can manage sales information and manage transactions/payments..	2	High	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V
Sprint-3	Email Alert	USN-5	As a user, I can create a database credentials and enter my stocks.	6	Medium	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V
Sprint-4	Customer Care	USN-6	As a user, I can solve the log in issues and other issues of the application.	3	Medium	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V
Sprint-4	Application	USN-7	As a user, I can create alerts to require stocks.	3	Medium	Sri Raja Rajeshwari N Mugila V Kaaveeyah S Abinaya V

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 6-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).

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{6} = 3.33$$