

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID29830
Project Name	Project - Inventory Management System for Retailers
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Panel(Shopkeeper Panel)	USN-1	The user will login into the website and select their respective Domain (shopkeepers/Retailers). The role of shopkeeper is to check out the the availability of stocks needed by the shopkeeper..	20	High	Rishi Ragul.R Nethaaji.M
Sprint-2	Retailer Panel	USN-2	The role of the retailers is to check out the inventory details and update the stocks in inventory and maintain the stocks by connecting with database	20	High	Ruthira Kannan.K Sekar.K.A
Sprint-3	Admin Panel	USN-3	The shopkeeper details and purchases are maintained in a database. And to maintain the inventory for the retailers while updating and maintaining the database.	20	high	Prakashmani.K Rishi Ragul.R

Sprint-4	Chat Bot	USN-4	The user can directly talk to Chatbot regarding the services. Get the recommendations based on information provided by the user.	20	High	Sekar.K.A Nethaaji.M
Sprint-5	Final Delivery	USN-5	Container of applications using docker kubernetes and deployment the application. Create the documentation and final submit the application	20	High	Rishi Ragul.R Prakashmani.K Ruhtira Kanna.K

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	3 Days	31 Oct 2022	02 Nov 2022	20	02 Nov 2022
Sprint-3	20	3 Days	02 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-4	20	6 Days	6 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-5	20	6 Days	13 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)

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

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.

