

Project Planning Phase Sprint Delivery Plan

Date	18 October 2022
Team ID	PNT2022TMID46132
Project Name	Inventory Management System for Retailers
Project Members	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Project mentors	Industry mentor – Vasudeva Hanush Faculty mentor – Padmavathi .R

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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-2	Dashboard	USN-6	As a user, I can view the stock availability status	2	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-3		USN-7	As a user, I can view the orders status	1	Medium	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-4		USN-8	As a user, I can view the shipping tracking status	2	Medium	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-4		USN-9	As a customer care executive, I can view the complaints on chat box	1	Medium	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-4		USN-10	As a customer, I should be able solve and reply for the customers queries	2	Low	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-4		USN-11	As a customer, I can close the complaint after assisting	1	Low	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-3		USN-12	As a Administrator, I would take care of registrations and maintenance of accounts	2	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R
Sprint-2		USN-13	As a Administrator, I Would resolve issues on Access	2	High	M.S.Logesh, Arun.G, Ghousonisan.S, Ilavarasan.R

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

<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>