

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID33028
Project Name	Retail Stock Inventory Analysis
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	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-2	Registration	USN-3	As a user, I can register for the application through google account or the one provided by the service provider.	2	Low	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-1	Registration	USN-4	As a user, I can register using the collaborated Gmail ID as well.	2	Medium	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-2	Login	USN-6	As a user, for more secure protection 2 step authentication will be used.	1	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-2	Login	USN-7	As a user, it will be redirected to the dashboard interface.	2	Medium	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-3	Dashboard	USN-8	As a user, The dashboard will provide suitable information for us the user to decide on the next move for the retail inventory.	2	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-3	Dashboard	USN-9	As a user, The dashboard will recommend orders to be placed for the right season.	2	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-4	Server & Data Analysis	USN-10	As a user, The data will be entered using a Barcode scanner or through analysis the items will be then processed and analysis will be done with the given data and a suitable output will be given.	2	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G
Sprint-4	Server & Data Analysis	USN-11	As a user, The server will itself place the most suitable order and analyse if the stock will sale as soon as possible.	2	High	Surya Kumar. S Santhosh. S Shaikh Muhibudeen. A Vijayakrishnan.G

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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:

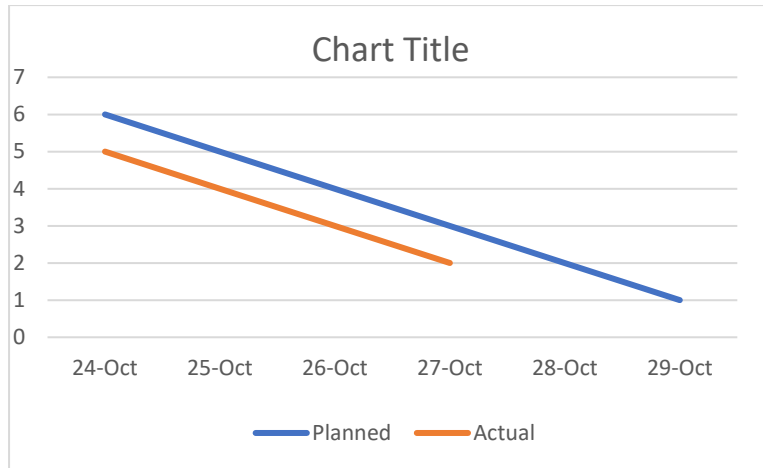
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

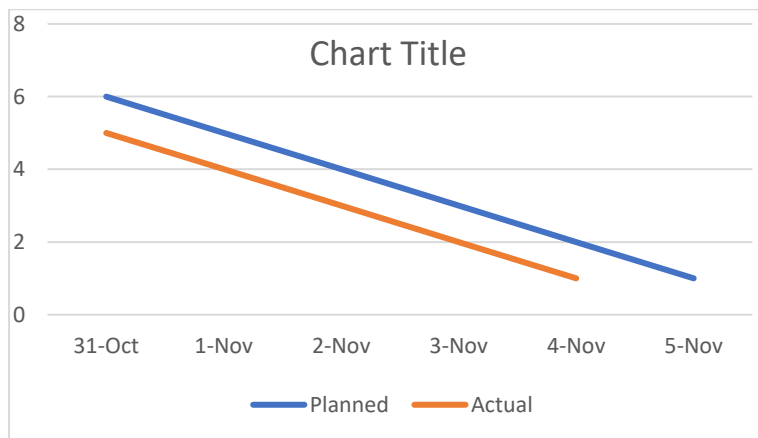
Burndown Chart:

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.

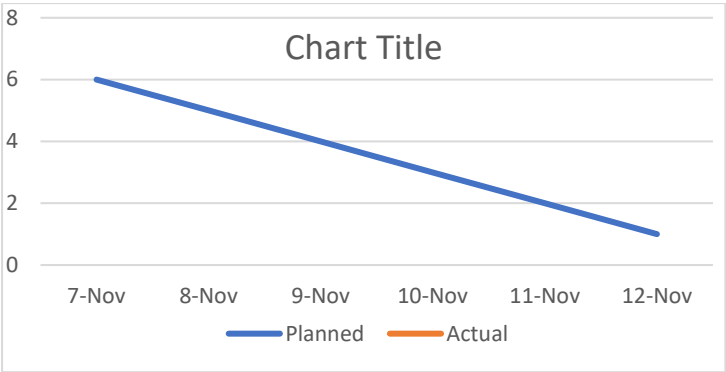
SPRINT-1



SPRINT-2



SPRINT-3



SPRINT-4

