

## Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID46684
Project Name	Retail Store Stock Inventory Analytics
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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A

Sprint-1	Registration	USN-4	As a user, I can register using the collaborated Gmail ID as well.	2	Medium	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
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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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
Sprint-2	Login	USN-6	As a user, for more secure protection 2 step authentication will be used.	1	High	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
Sprint-2	Login	USN-7	As a user, it will be redirected to the dashboard interface.	2	Medium	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
Sprint-3	Dashboard	USN-9	As a user, The dashboard will recommend orders to be placed for the right season.	2	High	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A

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	Bhavatharani.T Karkuzhali.N Deepika.P Priyadharshini.E Gomathi.A
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### 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:

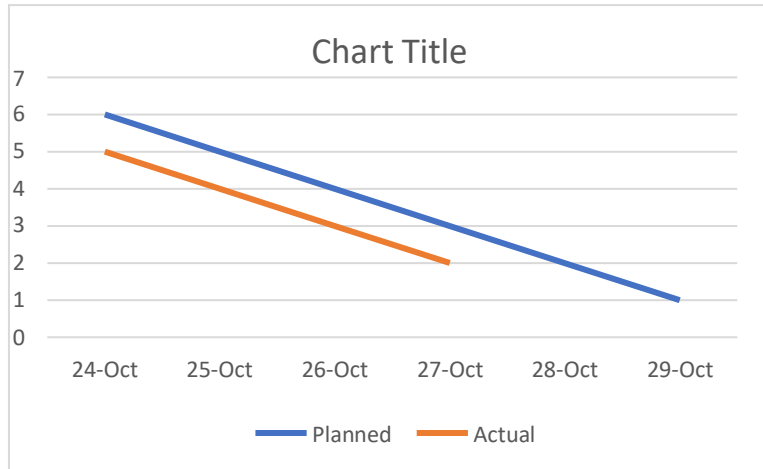
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

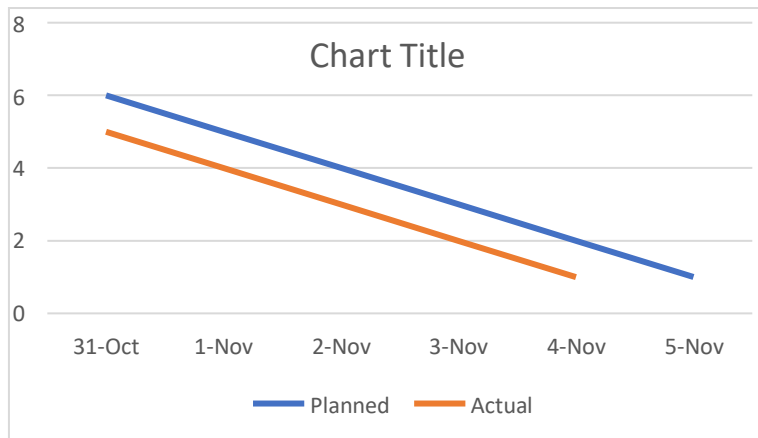
#### Burndown Chart:

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.

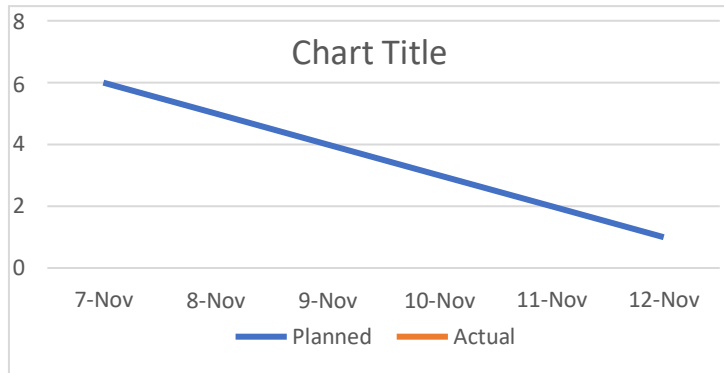
## SPRINT-1



## SPRINT-2



### SPRINT-3



### SPRINT-4

