

### Project Planning Phase

Date	05 November 2022
Team ID	PNT2022TMID22070
Project Name	Retail Store Stock Inventory Analysis
Maximum Marks	8 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.	8	High	Winselin.A
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Low	Winselin.A
Sprint-1	Authentication	USN-3	As a user, my session will be monitored throughout.	4	Medium	Viksha.T
Sprint-1	Login	USN-4	As a user, I can login to the account whenever I need.	4	High	Pavithra.P
Sprint-1		USN-5	As a user, I should gather and understand the data	4	Medium	Valli.S
Sprint-1		USN-6	As a user,I will load the dataset into IBM Cognos Watson.	6	High	Winselin.A

Sprint-2	Stock View	USN-7	As a user, I can view the list of items in the inventory.	2	Medium	Pavithra.P
Sprint-2		USN-8	As a user, I can update the stocks every now and then.	2	High	Valli.S
Sprint-2		USN-9	As a user,I can scrutinize different stock categories.	2	Low	Vikesh.T
Sprint-2		USN-10	As a user,I can monitor performance of retail business and make better decisions	4	Medium	Valli.S
Sprint-2	Working with Data	USN-11	As a user , I can explore the uploaded data and prepare the data	4	High	Winselin.A
Sprint-2		USN-12	As a user, I can visualize the explored data	6	Medium	Pavithra.P
Sprint-3	Inventory	USN-13	As a user, I can manage and track my customer's orders.	4	Low	Winselin.A
Sprint-3		USN-14	As a user, I can locate stock and its quantity and cost.	4	Low	Winslein.A
Sprint-3	Prediction	USN-15	As a user, I can monitor the price of the stock in real time.	2	Medium	Valli.S

Sprint-3		USN-16	As a user, I can predict least profit and high profit.	2	High	Pavithra.P
Sprint-3		USN-17	As a user, I can predict overflow of stocks.	3	High	Vikesha.T
Sprint-4	Analysis	USN-18	As a user, I can view the contents in the cart.	3	Low	Pavithra.P
Sprint-4		USN-19	As a user ,I can analyze stocks and make decisions.	3	Low	Vikesha.T
Sprint-4		USN-20	As a user, I can analyze and identify the most sold / least sold item in the store.	3	High	Valli.S
Sprint-4	Visualization	USN-21	As a user, I can consume data visually and hence easy to understand.	4	Medium	Winselin.A
Sprint-4		USN-22	As a user, I can make reports of sales based on the visualizations done	7	High	Winselin.A

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	28	6 Days	24 Oct 2022	29 Oct 2022	28	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	0	19 Nov 2022

Velocity:

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

Sprint	Total Story Points	Duration	Average velocity
Sprint-1	28	6 Days	4.66
Sprint-2	20	6 Days	3.33
Sprint-3	15	6 Days	2.50
Sprint-4	20	6 Days	3.33
Total	83	24	3.45