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

Date	18 October 2022
Team ID	PNT2022TMID32704
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	Aadil Muhamed M.S, Anthon A.S.K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Jeffrey Alan.A, Johan Kingsly M
Sprint-2		USN-3	As a user, I can register for the application through Facebook.	2	Low	Aadil Muhamed M.S, Jeffrey Alan.A
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	2	Medium	Anthon A.S.K, Johan Kingsly M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Aadil Muhamed M.S, Johan Kingsly M
Sprint-2	Dashboard	USN-6	As a user, I can access the dashboard after successfully logging in.	2	High	Anthon A.S.K, Jeffrey Alan.A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Upload Dataset	USN-7	As a user, I can upload dataset from the device that is being used.	3	High	Johan Kingsly M, Jeffrey Alan A
Sprint-3		USN-8	As a user, I can view the monthly sales of stock for the dataset.	3	High	Anthon A.S.K, Jeffrey Alan A
Sprint-3		USN-9	As a user, I can view the monthly sales of stock for the dataset.	3	High	Anthon A.S.K, Johan Kingsly M
Sprint-3		USN-10	As a user, I can view the monthly revenue of the stock for the dataset.	4	High	Jeffrey Alan A, Johan Kingsly M
Sprint-4		USN-11	As a user, I can view the summary of the retail stock dataset.	4	High	Aadil Muhamed M.S, Anthon A.S.K
Sprint-4	Analyse	USN-12	As a user, I can analyse and find which products are low in stock and it's availability.	5	High	Anthon A.S.K, Johan Kingsly M
Sprint-5	Prediction	USN-13	As a user, I see the prediction of the specific product's future sales expectation.	5	High	Jeffrey Alan A, Johan Kingsly M

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	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	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	14	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

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

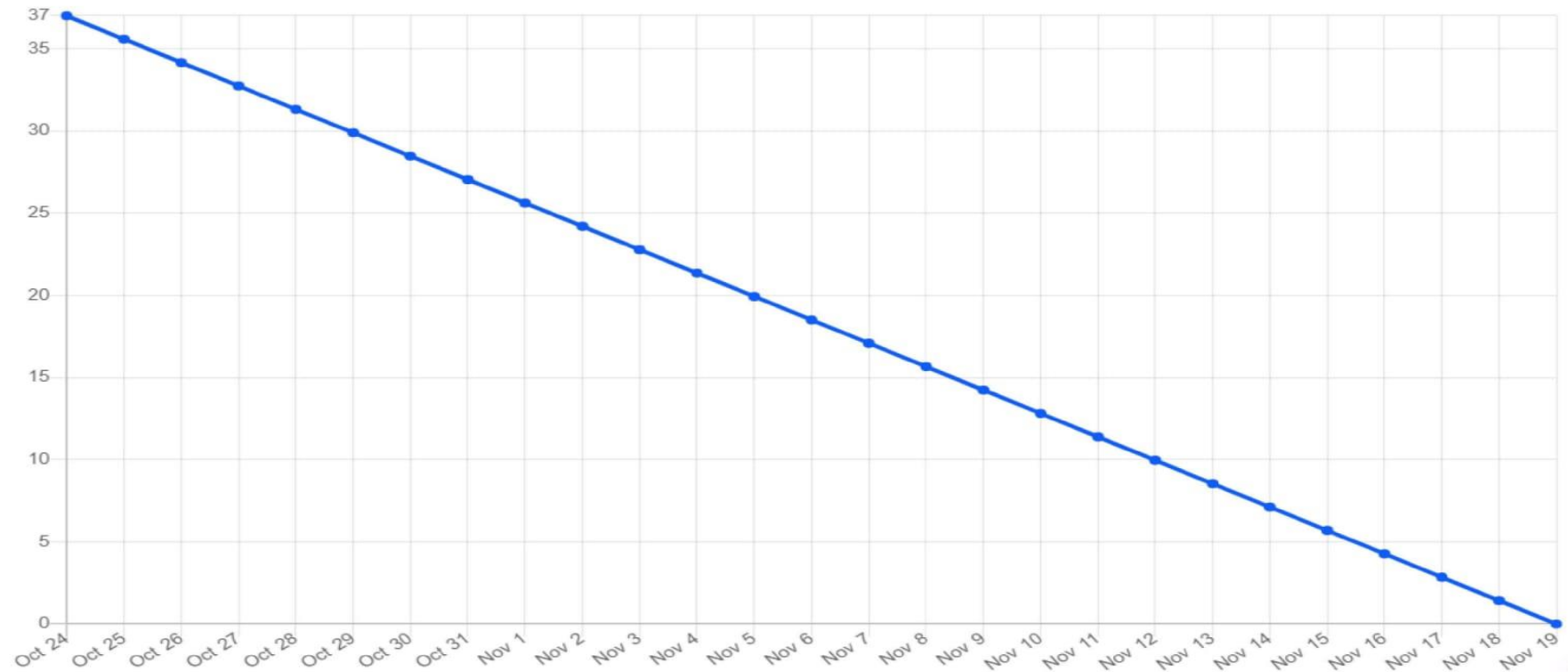iteration unit (story points per day)

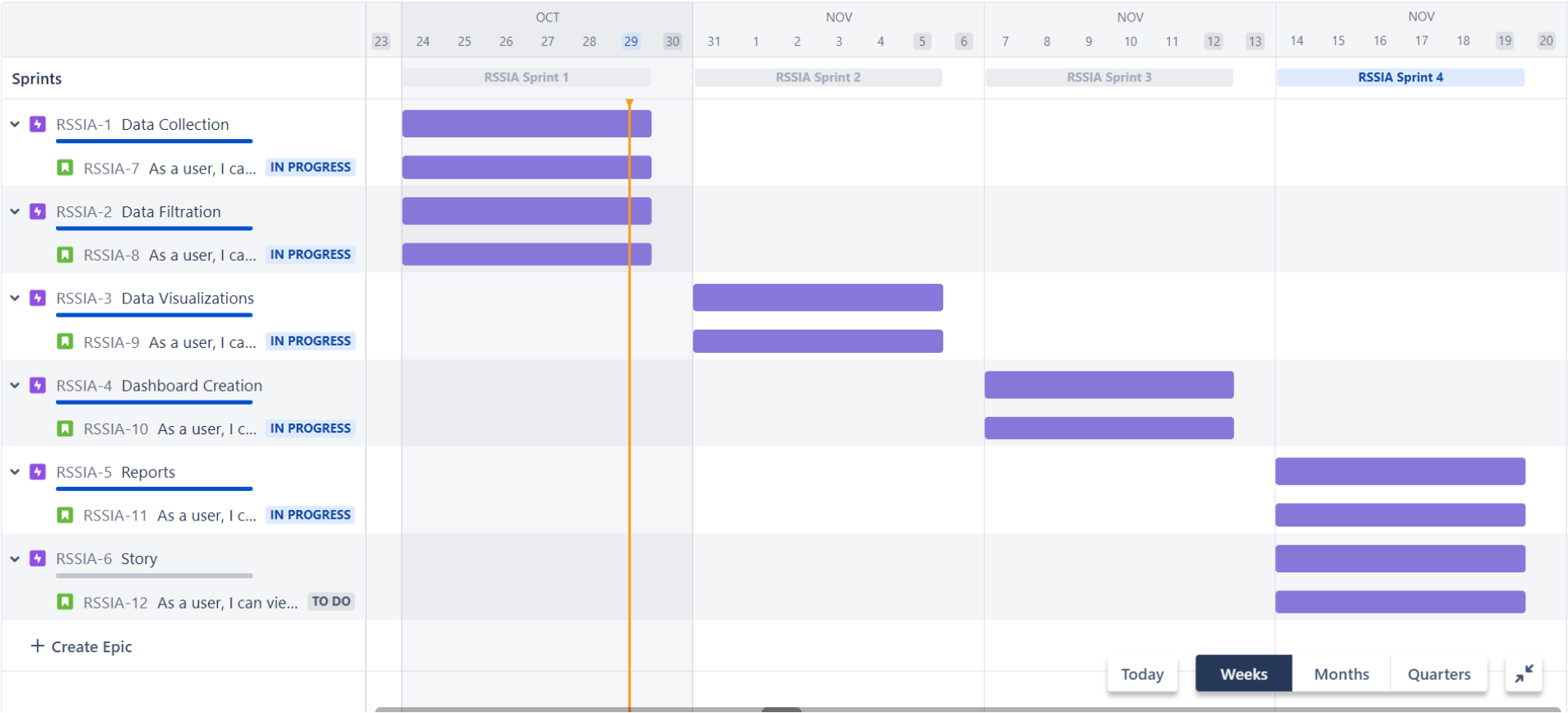| SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
Sprint-1	**5**	6 Days	6/6 = 1
Sprint-2	**8**	6 Days	8/6 = 1.33
Sprint-3	**10**	6 Days	10/6 = 1.66
Sprint-4	**14**	6 Days	14/6 = 2.33

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.

Overall Burndown Chart:

PLANNING TOOL:

Backlog

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Epic ∨		Insights

∨ **Backlog** (6 issues) 0 0 0 Create sprint

🔖 RSSIA-12 As a user, I can view the product description and more additional information about it. **STORY**	TO DO ∨
🔖 RSSIA-11 As a user, I can view the list of categorized products and their details as a report. **REPORTS**	IN PROGRESS ∨
🔖 RSSIA-9 As a user, I can visualize the data in an easy manner. **DATA VISUALIZATIONS**	IN PROGRESS ∨
🔖 RSSIA-10 As a user, I can view my dashboard and can perform stock prediction and analysis. **DASHBOARD CREATION**	IN PROGRESS ∨
🔖 RSSIA-7 As a user, I can view the data which is clean for visualization. **DATA COLLECTION**	IN PROGRESS ∨
🔖 RSSIA-8 As a user, I can view the filtered information. **DATA FILTRATION**	IN PROGRESS ∨