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

Date	27 October 2022
Team ID	PNT2022TMID21488
Project Name	Retail Store Stock Inventory Analysis
Maximum Marks	8 Marks

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.	5	High	Dixon J Antony A, Siddharth S
Sprint-1	Authentication	USN-2	As a user, my session will be monitored throughout.	3	Medium	Dixon J Antony A, Ragul M GA
Sprint-1	Login	USN-3	As a user, I can login to the account whenever I need.	5	High	Ragul M GA, Sreesh N, Siddharth S
Sprint-2	Dashboard	USN-4	As a user, I can view the dashboard with all contents in a simplified view.	3	Low	Sreesh N, Siddharth S
Sprint-2	Stock View	USN-5	As a user, I can view the list of items in the inventory.	5	Medium	Sreesh N, Ragul M GA
Sprint-2	Stock Updation	USN-6	As a user, I can update the stocks every now and then.	8	High	Dixon J Antony A, Siddharth S, Ragul M GA, Sreesh N
Sprint-3	Orders	USN-7	As a user, I can manage and track my customer's orders.	3	Low	Dixon J Antony A, Sreesh N
Sprint-3	Price Management	USN-8	As a user, I can monitor the price of the stock in real time.	3	Medium	Ragul M GA, Siddharth S
Sprint-3	Products	USN-9	As a user, I can add / remove the products in the inventory.	8	High	Dixon J Antony A, Siddharth S, Sreesh N, Ragul M GA

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Cart	USN-10	As a user, I can view the contents in the cart.	3	Low	Ragul M GA, Sreesh N
Sprint-4	Stock Analysis Prediction	USN-11	As a user, I can analyze and identify the most sold / least sold item in the store.	8	High	Dixon J Antony A, Ragul M GA, Siddharth S, Sreesh N
Sprint-4	Visualization	USN-12	As a user, I can consume data visually and hence easy to understand.	5	Medium	Dixon J Antony A, Siddharth S, Sreesh N

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	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	16	05 Nov 2022
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022	14	12 Nov 2022
Sprint-4	16	6 Days	14 Nov 2022	19 Nov 2022	16	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)

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

Sprint	Total Story Points	Duration	Average velocity
Sprint-1	13	6 Days	2.16
Sprint-2	16	6 Days	2.66
Sprint-3	14	6 Days	2.33
Sprint-4	16	6 Days	2.66
Total	59	24	2.46

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

Planning Tool :

RSISA Sprint 1

Registration, Login and Authentication.

⚡ ☆ 🕐 0 days remaining   **Complete sprint**   ⋯

Search this b 🔍   DA 👤 RG 👤⁺   Epic ⌄

GROUP BY   None ⌄   📈 Insights

TO DO 2 ISSUES

As a user, my session will be monitored throughout. As a user, my session will be monitored throughout. As a user, my session will be monitored throughout.

AUTHENTICATION

🔖 RSSIA-2   3   DA

As a user, I can login to the account whenever I need.

LOGIN

🔖 RSSIA-3   5   RG

IN PROGRESS 1 ISSUE

As a user, I can register for the application by entering my email, password, and confirming my password.

REGISTRATION

🔖 RSSIA-1   5   👤

IN REVIEW

DONE ✓

+

You're in a team-managed project

Your work ∨   Projects ∨   Filters ∨   Dashboards ∨   People ∨   Apps ∨   **Create**

Search

Retail Store Stock Inve...
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / Retail Store Stock Inventory Analysis

Roadmap

📢 Give feedback   🔗 Share   ⬆ Export   ···

Search roadn   DA 👤 RG S 👤   👤⁺   Status category ∨   ⚙ View settings

		T	NOV	DEC	JAN '23
Sprints		RSISA... RSISA... RSISA... RSISA...			
› ⚡ RSSIA-13 Registration		�▃			
› ⚡ RSSIA-14 Authentication		▃			
› ⚡ RSSIA-15 Login		▃			
› ⚡ RSSIA-16 Dashboard			▃		
› ⚡ RSSIA-17 Stock view			▃		
› ⚡ RSSIA-18 Stock updation			▃		
› ⚡ RSSIA-19 Orders			▃		
› ⚡ RSSIA-20 Price Management			▃		
› ⚡ RSSIA-21 Products			▃		
› ⚡ RSSIA-22 Cart			▃		
› ⚡ RSSIA-23 Stock ...alysis Prediction			▃		

Today   Weeks   **Months**   Quarters   ⤢   💡 Quickstart ✕

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