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

Date	18 October 2022
Team ID	PNT2022TMID48371
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/administrator can register for the application by entering my email, password, and confirming my password.	2	High	YOGESWARAN S
Sprint-1	Confirmation	USN-2	As a user/administrator will receive confirmation email once registered for the application	1	Medium	ARAVINTHRENGANATHAN S
Sprint-1	Registration via Gmail	USN-3	As a user/administrator can register for the application through gmail	2	Medium	BALAKRISHNAN B
Sprint-1	Login	USN-4	As a user/administrator can log into the application by entering email & password	1	High	VIJAYSARATHI R
Sprint-2	Dashboard	USN-5	As a user can use a dashboard to track stock of inventories	3	Medium	VIJAYSARATHI R
Sprint-2		USN-6	As a administrator can can use a dashboard to update,insert and delete product details and maintain user details	2	High	ARAVINTHRENGANATHAN S
Sprint-2	View products	USN-7	As a user can view the inventories and their information	5	High	YOGESWARAN S
Sprint-2	Product searching	USN-8	As a user can search the product via brand names,barcode or product identifiers	2	Medium	BALAKRISHNAN B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Updating inventory	USN-9	As a administrator can enlist the products	5	High	VIJAYSARATHI R
Sprint-3	Stock analysis	USN-10	As a user can explore the stock either in too little or excess in hand	5	High	ARAVINTHRENGANATHAN S
Sprint-3	Report ,invoice generation	USN-11	As a user can create the reports based on customer demands	5	High	YOGESWARAN S
Sprint-4	Alerts stock remainder	USN-12	As a user can alert based on the availability of stocks	3	Medium	VIJAYSARATHI R
Sprint-4	Re ordering stock maintenance	USN-13	As a user can engage with reorder stocks	3	High	BALAKRISHNAN B
Sprint-4	Subscription and deployment	USN-14	As a user can manage the subscription plan details and ensure the application is successfully deployed	3	High	YOGESWARAN S
Sprint-4	Deployment in cloud	USN-15	To ensure the application is successfully deployed in cloud	3	Medium	ARAVINTHRENGANATHAN S

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed (As On Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	17	6 Days	31 Oct 2022	05 Nov 2022	17	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	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	6	6days	6/6=1
Sprint-2	17	6days	17/6=2.833
Sprint-3	10	6days	10/6=1.66
Sprint-4	12	6days	12/6=2
Total	45	24days	43/24=1.875

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.

Sprints	OCT 20 21 22 23	OCT 24 25 26 27 28 29 30	NOV 31 1 2 3 4 5 6	NOV 7 8 9 10 11 12 13	NOV 14 15 16 17 18 19 20 21
		RSSIA Sprint 1	RSSIA Sprint 2	RSSIA Sprint 3	RSSIA Sprint 4
∨ ⚡ RSSIA-16 Registration		████████			
⬛ RSSIA-1 As a user/a... IN PROGRESS YOGESYOG...		████████			
› ⚡ RSSIA-17 Confirmation		████████			
› ⚡ RSSIA-18 Registration via Gmail		████████			
› ⚡ RSSIA-19 Login		████████			
› ⚡ RSSIA-20 Dashboard			████████		
› ⚡ RSSIA-21 View Products			████████		
› ⚡ RSSIA-22 Product Searching			████████		
› ⚡ RSSIA-23 Updating Inventory			████████		
› ⚡ RSSIA-24 Stock Analysis				████████	
› ⚡ RSSIA-25 Report Invoice Generation				████████	
› ⚡ RSSIA-26 Alert Stock Remainders					████████
› ⚡ RSSIA-27 Re-ordering stock maintenance					████████
› ⚡ RSSIA-28 Subscription maintenance					████████
› ⚡ RSSIA-29 Deployment in cloud					████████

pnt2022tmid48371.atlassian.net/jira/software/projects/RSSIA/boards/1/backlog

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Software project

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</> Code

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▾ RSSIA Sprint 1 24 Oct – 29 Oct (4 issues)   4 ② 0   Complete sprint   ...

▢ RSSIA-1 As a user/administrator can register for the application by entering my email, password, and confirming my password. REGISTRATION   2 IN PROGRESS ⌄ Ⓨ

▢ RSSIA-2 As a user/administrator will receive confirmation email once registered for the application CONFIRMATION   1 TO DO ⌄ Ⓐ

▢ RSSIA-3 As a user/administrator can register for the application through Gmail REGISTRATION VIA GMAIL   2 TO DO ⌄ Ⓑ

▢ RSSIA-4 As a user/administrator can log into the application by entering email & password LOGIN   1 TO DO ⌄ Ⓥ

+ Create issue

▾ RSSIA Sprint 2 31 Oct – 5 Nov (5 issues)   17 0 0   Start sprint   ...

▢ RSSIA-5 As a user can use a dashboard to track stock of inventories DASHBOARD   3 TO DO ⌄ Ⓥ

▢ RSSIA-6 As a administrator can use a dashboard to Update Insert and delete product details and maintain user details DASHBOARD   2 TO DO ⌄ Ⓐ

▢ RSSIA-7 As a user can view the inventories and their information VIEW PRODUCTS   5 TO DO ⌄ Ⓨ

▢ RSSIA-8 As a user can search the product via brand names barcode or product identifiers PRODUCT SEARCHING   2 TO DO ⌄ Ⓑ

▢ RSSIA-9 As a administrator can enlist the products UPDATING INVENTORY   5 TO DO ⌄ Ⓥ

+ Create issue

💡 Quickstart ✕

🔍 Search for anything   ENG 10:57 25/10/2022