

Project Planning Phase

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

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|---------------|--|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID01782 |
| 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 | MUTHUVEL S |
| Sprint-1 | Confirmation | USN-2 | As a user/administrator will receive confirmation email once registered for the application | 1 | Medium | PRAVEEN T |
| Sprint-1 | Registration via Gmail | USN-3 | As a user/administrator can register for the application through gmail | 2 | Medium | PRABHAKARAN S |
| Sprint-1 | Login | USN-4 | As a user/administrator can log into the application by entering email & password | 1 | High | PRASATH A |
| Sprint-2 | Dashboard | USN-5 | As a user can use a dashboard to track stock of inventories | 3 | Medium | PRASATH A |
| Sprint-2 | | USN-6 | As a administrator can use a dashboard to update,insert and delete product details and maintain user details | 2 | High | PRAVEEN T |
| Sprint-2 | View products | USN-7 | As a user can view the inventories and their information | 5 | High | MUTHUVEL S |
| Sprint-2 | Product searching | USN-8 | As a user can search the product via brand names,barcode or product identifiers | 2 | Medium | PRABHAKARAN S |

| 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 | PRASATH A |
| Sprint-3 | Stock analysis | USN-10 | As a user can explore the stock either in too little or excess in hand | 5 | High | PRAVEEN T |
| Sprint-3 | Report ,invoice generation | USN-11 | As a user can create the reports based on customer demands | 5 | High | MUTHUVEL S |
| Sprint-4 | Alerts stock remainder | USN-12 | As a user can alert based on the availability of stocks | 3 | Medium | PRASATH A |
| Sprint-4 | Re ordering stock maintenance | USN-13 | As a user can engage with reorder stocks | 3 | High | PRABHAKARAN S |
| 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 | MUTHUVEL S |
| Sprint-4 | Deployment in cloud | USN-15 | To ensure the application is successfully deployed in cloud | 3 | Medium | PRAVEEN T |

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 | | 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:

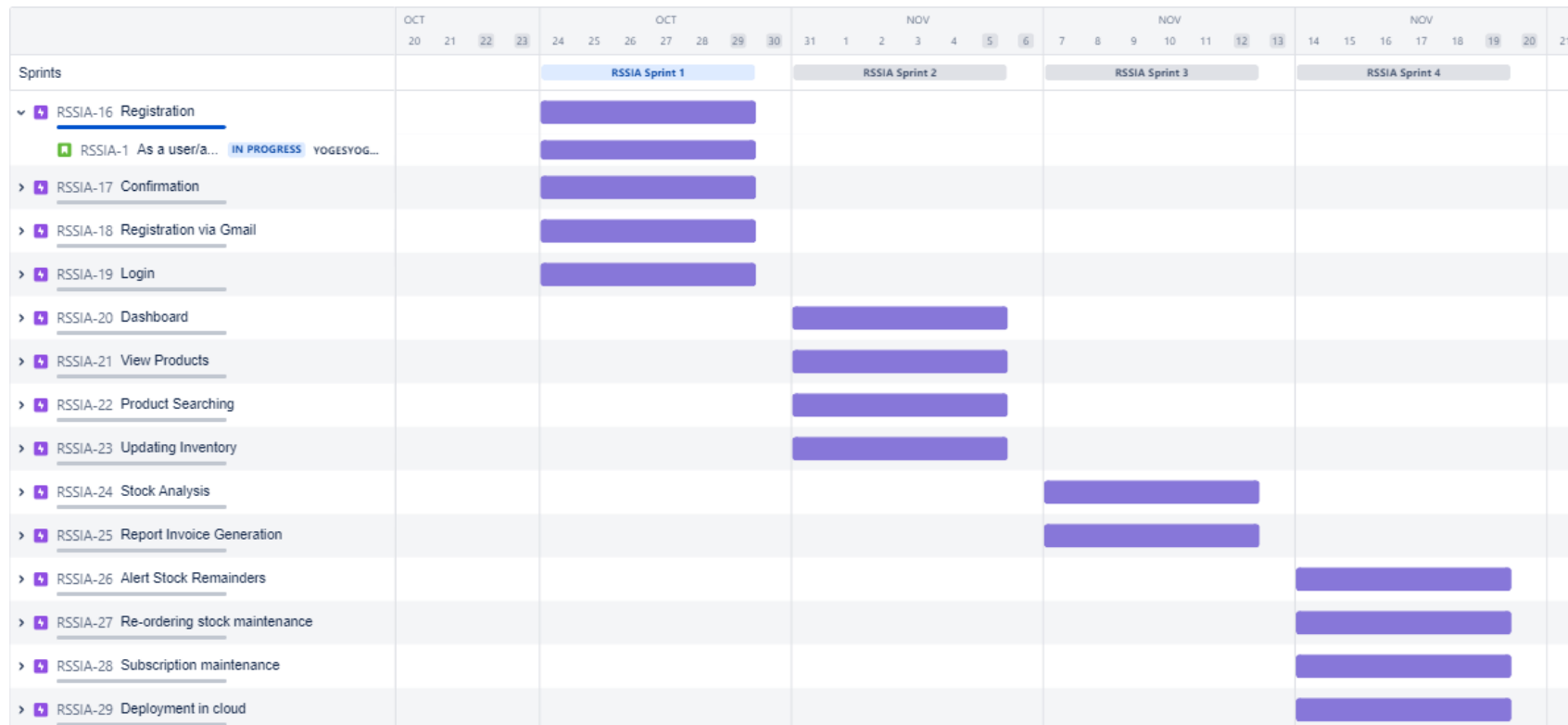
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

| 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.



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Projects / Retail Store Stock Inventory Analytics

RSSIA Sprint 1

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🕒 4 days remaining

Complete sprint

⋮

🔍

V

Y

A

B

👤

Epic ▾

GROUP BY

None ▾

📊 Insights

TO DO 3 ISSUES

As a user/administrator will receive confirmation email once registered for the application

CONFIRMATION

RSSIA-2

1

A

As a user/administrator can register for the application through Gmail

REGISTRATION VIA GMAIL

RSSIA-3

2

B

As a user/administrator can log into the application by entering email & password

LOGIN

RSSIA-4

1

V

IN PROGRESS 1 ISSUE

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

REGISTRATION

RSSIA-1

2

Y

IN REVIEW

DONE ✓

+

Quickstart

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Retail Store Stock Inve...
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Backlog

Q

VYAB

Epic

▼ RSSIA Sprint 1 24 Oct – 29 Oct (4 issues)

420Complete sprint

RSSIA-1 As a user/administrator can register for the application by entering my email, password, and confirming my password. REGISTRATION

2IN PROGRESS

Y

RSSIA-2 As a user/administrator will receive confirmation email once registered for the application CONFIRMATION

1TO DO

A

RSSIA-3 As a user/administrator can register for the application through Gmail REGISTRATION VIA GMAIL

2TO DO

B

RSSIA-4 As a user/administrator can log into the application by entering email & password LOGIN

1TO DO

V

+ Create issue

▼ RSSIA Sprint 2 31 Oct – 5 Nov (5 issues)

1700Start sprint

RSSIA-5 As a user can use a dashboard to track stock of inventories DASHBOARD

3TO DO

V

RSSIA-6 As a administrator can use a dashboard to Update Insert and delete product details and maintain user details DASHBOARD

2TO DO

A

RSSIA-7 As a user can view the inventories and their information VIEW PRODUCTS

5TO DO

Y

RSSIA-8 As a user can search the product via brand names barcode or product identifiers PRODUCT SEARCHING

2TO DO

B

RSSIA-9 As a administrator can enlist the products UPDATING INVENTORY

5TO DO

V

+ Create issue

Quickstart



Retail Store Stock Inve...
Software project

PLANNING



Roadmap



Backlog



Board

DEVELOPMENT



Code



Project pages



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Backlog



Epic ▾

Insights

RSSIA Sprint 3 7 Nov – 12 Nov (2 issues)

10 0 0

Start sprint



RSSIA-10 As a user can explore the stock either in too little or excess in hand STOCK ANALYSIS

5

TO DO ▾



RSSIA-11 As a user can create the reports based on customer demands REPORT INVOICE GENERATION

5

TO DO ▾



+ Create issue

RSSIA Sprint 4 14 Nov – 19 Nov (4 issues)

12 0 0

Start sprint



RSSIA-12 As a user can alert based on the availability of stocks ALERT STOCK REMAINERS

3

TO DO ▾



RSSIA-13 As a user can engage with reorder stocks RE-ORDERING STOCK MAINTENA...

3

TO DO ▾



RSSIA-14 As a administrator can manage the subscription plan details SUBSCRIPTION MAINTENANCE

3

TO DO ▾



RSSIA-15 As a user can ensure the application is successfully deployed in cloud DEPLOYMENT IN CLOUD

3

TO DO ▾



+ Create issue

Quickstart