**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID51704 |
| Project Name | Retail Stock Inventory Analysis |
| 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 | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through google account or the one provided by the service provider. | 2 | Low | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A.. |

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| Sprint-1 | Registration | USN-4 | As a user, I can register using the collaborated Gmail ID as well. | 2 | Medium | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-2 | Login | USN-6 | As a user, for more secure protection 2 step authentication will be used. | 1 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-2 | Login | USN-7 | As a user, it will be redirected to the dashboard interface. | 2 | Medium | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-3 | Dashboard | USN-8 | As a user, The dashboard will provide suitable information for us the user to decide on the next move for the retail inventory. | 2 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-3 | Dashboard | USN-9 | As a user, The dashboard will recommend orders to be placed for the right season. | 2 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |

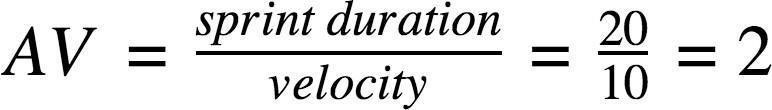
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-4 | Server & Data Analysis | USN-10 | As a user, The data will be entered using a Barcode scanner or through analysis the items will be then processed and analysis will be done with the given data and a suitable output will be given. | 2 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |
| Sprint-4 | Server & Data Analysis | USN-11 | As a user, The server will itself place the most suitable order and analyse if the stock will sale as soon as possible. | 2 | High | JOBIN J ,PLAMKOOTTATHIL JERLIN JACOB, ANAND VARDHAN , PRANAV A. |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 10 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 10 | 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 |  | 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)



**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 m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

# SPRINT-1

Chart

Title

7

6

5

4

3

2

1

0

24

-

Oct

25

-

Oct

26

-

Oct

27

-

Oct

28

-

Oct

29

-

Oct

Planned

Actual

# SPRINT-2

8

Chart

Title

6

4

2

0

31

-

Oct

1

-

Nov

2

-

Nov

3

-

Nov

4

-

Nov

5

-

Nov

Planned

Actual

# SPRINT-3

8

Chart

Title

6

4

2

0

7

-

Nov

8

-

Nov

9

-

Nov

Planned

10

-

Nov

Actual

11

-

Nov

12

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Nov

# SPRINT-4

8

Chart

Title

6

4

2

0

14

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Nov

15

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Nov

16

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Nov

17

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Nov

18

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Nov

19

-

Nov

Planned

Actual