

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

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| Date | 03 November 2022 |
| Team ID | PNT2022TMID27239 |
| Project Name | Inventory Management System for Retailers |

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 or by entering phone number and confirming by otp | 2 | High | Gracia Betty,Deepthi |
| Sprint-1 | | USN-2 | As a user, I can register for the application through E-mail or phone number | 1 | Medium | Gracia Betty,Harivarthini |
| Sprint-1 | Confirmation | USN-3 | As a user, I will receive confirmation email or otp once I have registered for the application | 1 | Medium | Harivarthini,Aishwarya |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---------------------------|
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password or using phone number and otp. | 2 | High | Aishwarya,Deepthi |
| Sprint-2 | Dashboard | USN-5 | As a user, I can view the products which are available | 4 | High | Deepthi,Harivarthini |
| Sprint-3 | Stock Update | USN-7 | Once the product reaches the threshold level as a user ,I will be getting the notification to reorder the stock. | 5 | High | Harivarthini,Gracia Betty |
| Sprint-4 | Expiry update | USN-8 | As a user, I will be notified about the expiry date of the products | 5 | High | Aishwarya,Deepthi |

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 | 7 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | | |
| Sprint-2 | 9 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | | |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 10 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |

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 | 6 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 4 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | | 05 Nov 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | 12 Nov 2022 |
| Sprint-4 | 5 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | 19 Nov 2022 |
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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)

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

$$AV=20/6 =3.33$$

Progress-Burndown chart

