

Project Planning Phase

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

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|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID37158 |
| Project Name | Project – inventory management system for retailers |
| 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. | 5 | High | Sneha.S |
| Sprint-1 | Conformation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | Sneha.S |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through other websites like Facebook, etc. | 2 | Low | Sridevi.M |

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|----------|-----------|-------|---|---|--------|---------------|
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 3 | Low | Vijayalaxmi.S |
| Sprint-2 | Dashboard | USN-5 | As a user, I need to give permission to Location access. | 3 | High | Thenmozhi.K |
| Sprint-2 | Dashboard | USN-6 | As a user, I can view the products that are available currently | 3 | High | Thenmozhi.K |
| Sprint-2 | Services | USN-7 | As a admin, I can add products which are not available in the inventory and restock the products. | 4 | High | Sneha.O |
| Sprint-2 | Services | USN-8 | As an admin, I need to provide chatbot service as a conversational tool | 3 | Medium | Sneha.O |
| Sprint-2 | Services | USN-9 | As an admin, I need alert message when the product is empty. . | 4 | Low | Sneha.O |

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|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---------------------|
| Sprint-3 | Services | <u>USN-10</u> | As a user , I need the tracking facility where my product is located. | 3 | Medium | Sneha.O |
| Sprint-3 | Services | USN-11 | As an admin, I need to provide live location tracking facility . | 4 | High | Sneha.O |
| Sprint-4 | Data collection | USN-12 | As an admin, I need to store all the user information on the cloud | 3 | Medium | Sridevi.M |
| Sprint-4 | Data collection | USN-13 | As a admin ,I need to collect the list of product available in the inventory . | 2 | Low | Vijayalaxmi.S |
| Sprint-4 | feedback | USN-14 | As a user, I am able to send feedback forms reporting any ideas for improving or resolving any issues I am facing to get it resolved | 3 | medium | Sneha.O |

Project Tracker, Velocity & Burn-down Chart:

| 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 | 13 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 7 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 14 Nov 2022 | 8 | 19 Nov 2022 |

Velocity:

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

$$\begin{aligned} AV &= \frac{\text{Sprint Duration}}{\text{Velocity}} \\ &= \frac{(10+13+7+8)}{10} \\ &= \frac{38}{10} \\ &= 3.8 \end{aligned}$$

Burndown Chart:

It will be updated after the completion of first week work