Project Planning Phase

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

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| --- | --- |
| Date | 14 November 2022 |
| Team ID | PNT2022TMID52088 |
| Project Name | Inventory Management System for Retailers |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Retailer | USN-1 | The retailer can search for the stocks whatever he/she want and order them based on his/her requirement. | 20 | High | Jeya priya .R  Inba suruthi . S  Jeba agnes . S  Varatharajan.V |
| Sprint-2 | Inventory Manager | USN-2 | The role of the inventory manager is to check out the database about the stock and have a track of all the things that the users are purchasing. | 20 | High | Jeya priya .R  Inba suruthi . S  Jeba agnes . S  Varatharajan.V |
| Sprint-3 | Chat bot | USN-3 | The retailers can directly talk with the chatbot regarding the stocks available in the inventory. Get the recommendations based on information provided by the retailer. | 20 | High | Jeya priya .R  Inba suruthi . S  Jeba agnes . S  Varatharajan.V |
| Sprint-4 | Final delivery | USN-4 | Container of the applications using docker, Kubernetes and deployment of the application. Create the documentation and final submit the application | 20 | High | Jeya priya .R  Inba suruthi . S  Jeba agnes . S  Varatharajan.V |

**Project Tracker, Velocity & Burn down 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 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 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)

