**Project Planning Phase**

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

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| --- | --- |
| Date | 30 October 2022 |
| Team ID | PNT2022TMID36945 |
| 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

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-2 | Registration | USN-1 | Being a mobile application user for this inventory management system . I will be able to register with my mail and phone number and login using the same credentials . | 2 | High | Keerthana,Mary Helen Clara |
| Sprint-2 |  | USN-2 | I will receive confirmation email once and one time password once I register for the application | 2 | High | Keerthana,Mary Helen Clara |
| Sprint-1 |  | USN-3 | As a user, I can register for the application through mobile number | 2 | High | Keerthana,Mary Helen Clara |
| Sprint-3 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Keerthana,Mary Helen Clara |
| Sprint-1 |  | USN-5 | Being a web user, I can register for the application by entering my email, password, and confirming my password. | 1 | High | Keerthana,Mary Helen Clara |
| Sprint -1 |  | USN-6 | As a user, I will receive confirmation email once I have registered for the application through the web portal | 2 | medium | Keerthana,Mary Helen Clara |
| Sprint-3 |  | USN-7 | As a user, I can register for the application through gmail | 3 | Medium | Keerthana,Mary Helen Clara |
| Sprint-2 |  | USN -8 | As a user, I can register for the application through mobile number | 2 | High | Keerthana,Mary Helen Clara |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-2 |  | USN-9 | I will be registering using the unique admin credentials provided by the developer | 3 | Medium | Keerthi, Boopalan |
| Sprint-1 | Login | USN-10 | Being a mobile application user for this inventory management system . I will login using the same credentials whichi used in registration | 2 | High | Keerthi, Boopalan |
| Sprint-1 |  | USN-11 | Would login using the credentials to use my service | 3 | High | Keerthi, Boopalan |
| Sprint-3 |  | USN-12 | As a user, I can log into the application by entering gmail credentials which i used for registering | 3 | High | Keerthi, Boopalan |
| Sprint-2 |  | USN-13 | As a user, I can log into the application by entering the mobile number credentials which i used for registering | 2 | High | Keerthi, Boopalan |
| Sprint-1 |  | USN-14 | As a user I will be able to login via my username and password for the system | 1 | High | Keerthi, Boopalan |
| Sprint-1 |  | USN-15 | I will be able to login to the system with the help of the unique admin login credentials given by the developer | 3 | Medium | Keerthi, Boopalan |
| Sprint-2 | Dashboard | USN-16 | Once I login i will be redirected to my personal dashboard from where i can use my services | 2 | HIgh | Keerthi, Boopalan |
| Sprint-3 |  | USN-17 | The dashboard will give me access to all my services | 2 | High | Keerthi, Boopalan |
| Sprint-2 |  | USN-18 | I can login using the credentials which was given using the registration | 3 | Medium | Keerthi, Boopalan |
| Sprint -3 |  | USN-19 | I will be able to login using gmail | 3 | High | Keerthi, Boopalan |
| Sprint-3 |  | USN-20 | I will be able to login via my mobile number | 2 | High | Keerthi, Boopalan |
| Sprint-4 |  | USN-21 | As an admin i will be tracking the status if the inventories and stocks of the all the retailers and i will make sure that everything is smooth from both the buyer and the seller | 2 | High | Keerthi, Boopalan |
| Sprint -4 |  | USN-22 | As an admin i will be in contact with the customer care executive | 3 | Medium | Keerthi, Boopalan |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint -4 | Resolving queries | USN-23 | I will be able to login with customer care executive login credentials | 3 | Medium | Keerthana, Mary Helen Clara |
| Sprint -4 | Raising queries | USN-24 | I will be able to answer the queries and raise new queries or report to the same queries | 4 | Medium | Keerthana,Mary Helen Clara |
| Sprint -4 | Reporting to the admin | USN-25 | Once the queries are solved or if there is any issues regarding the queries which was raised will be reported to the admin | 3 | Medium | Keerthana,Mary Helen Clara |

**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 | 15 | 7 Days | 24 Oct 2022 | 30 Oct 2022 | 15 | 30 Oct 2022 |
| Sprint-2 | 15 | 7 Days | 01 Nov 2022 | 07 Nov 2022 | 15 | 07 Nov 2022 |
| Sprint-3 | 15 | 7 Days | 09 Nov 2022 | 15 Nov 2022 | 15 | 15 Nov 2022 |
| Sprint-4 | 15 | 7 Days | 17 Nov 2022 | 23 Nov 2022 | 15 | 23Nov 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 burndown chart is a graphical representation of work left to do versus time. It is often used in agile [softwaredevelopment](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies 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.

