**Project Planning Phase**

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID47104 |
| Project Name | **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 | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-2 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-4 |  | USN-3 | As a user, I can register for the application through Face book | 8 | Low | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-3 |  | USN-4 | As a user, I can register for the application through Gmail | 8 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 5 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-2 |  | USN-4 | As a user, I can login into the application through Google one Tap Sign in | 3 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-1 | Dashboard | USN-5 | As a user, I must be able to see my details on the dashboard. | 3 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-2 |  | USN-6 | As a user, I should be able to change password whenever I prefer. | 2 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-1 | Inventory | USN-7 | As a retailer, I should be able to alter product details in the app | 2 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-2 |  | USN-8 | As a retailer, I should be able to add or remove quantity of products in the app. | 3 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint-2 |  | USN-9 | As a retailer, I should get alert on stock shortage or unavailability. | 5 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-1 | Order | USN-7 | As a user, I should be able to order items on the app | 2 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-1 |  | USN-8 | As a user, I should be able to verify and pay in a secure payment gateway | 3 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-3 |  | USN-9 | As a user, I should be able to get the product on time. | 5 | Low | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-4 | Maintenance | USN-1 | As a administrator, I should be able to edit details of the users of the app. | 8 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-4 |  | USN-2 | Termination user accounts temporarily or permanently if needed. | 5 | Low | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-2 | Feedback | USN-1 | As a customer care team member, I should be able to get feedback from the users. | 2 | High | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |
| Sprint-3 |  | USN-2 | As a customer care team member, I should be available 24/7 to increase customer base | 8 | Medium | Dhivyabharathi V  Divyapriya S  Durgadevi K  Sindhu G |

**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 | 20 | 29 Oct 2022 |
| Sprint-2 | 18 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 18 | 05 Nov 2022 |
| Sprint-3 | 21 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 21 | 12 Nov 2022 |
| Sprint-4 | 21 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 21 | 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.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:** [**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management) [**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software) [**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics) [**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints) [**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)