Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID27088 |
| Project Name | Project – Inventory Management System for Retailers |
| Maximum Marks | 8 Marks |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | PDA-1 | As a user, I can register for the application by entering my Name, email, password, confirming my password and Age. | 3 | High | Prasanth M |
|  | PDA-2 | As a user, I will receive confirmation email once I have  registered for the application | 3 | Medium | Praveen M |
|  | PDA-3 | As a user, I can register for the application through Gmail | 5 | Medium | Praveen Kumar R |
|  | Login | PDA-4 | As a user, I can Sign in to the application by entering email and password | 1 | High | Rohan Sri M, Praveen M |
|  | PDA-5 | As a user, I can reset my password using Forgot Password  option | 4 | Medium | Prasanth M |
|  | PDA-6 | As a user, I can add their product to cart for multple orders. | 2 | Low | Praveen Kumar R, Rohan Sri M |
|  | PDA-8 | As a user, I can Check the stock availability | 2 | Low | Prasanth M |
| Sprint-2 | Home Page | PDA-10 | As a user, I can view the homepage of the website | 2 | Medium | Praveen M |
|  | About Page | PDA-12 | As a user, I can view the about page on the website and get information related to the Inventory management system. | 2 | Medium | Praveen Kumar R |
|  | Register as User | PDA-13 | As a user, I will get notified when the stock is available by registering as user. | 3 | High | Rohan Sri M |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Send Request | PDA-14 | As a user, I can raise a request for stock availability. | 2 | High | Praveen M |
|  | View Requests | PDA-15 | As a user, I can view the stocks in my cart. | 4 | Medium | Praveen Kumar R |
|  | Maintenance | PDA-16 | As an admin, I can maintain the databases involved | 2 | Medium | Prasanth M, Rohan Sri M |
|  | Handle Requests | PDA-17 | As an admin, I can view all requests for stocks. | 1 | High | Praveen M |
| Sprint-4 | PDA-18 | As an admin, I can delete requests that are past some time  period or have been closed | 3 | Low | Praveen Kumar R |
|  | Solving User Queries | PDA-19 | Creating an ChatBot that helps to solve the queries of the user. | 2 | High | Rohan Sri M |

**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 | 8 | 5 Days | 27 Oct 2022 | 31 Oct 2022 |  |  |
| Sprint-2 | 13 | 6 Days | 1 Nov 2022 | 06 Nov 2022 |  |  |
| Sprint-3 | 11 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 9 | 6 Days | 14 Nov 2022 | 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 burndown chart is a graphical representation of work left to do versus time. It is often used in agile [software development](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.

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



