**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID55575 |
| Project Name | SHOPSMART-DIGITAL GROCERY STORE EXPERIENCE |
| Maximum Marks | 5 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 | User Registration and Login | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | TEAM A |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | TEAM A |
| Sprint-1 |  | USN-3 | As a user, I can register using Google login. | 2 | Medium | TEAM A |
| Sprint-2 | Product Listing | USN-4 | As a user, I can browse products by categories. | 3 | High | TEAM B |
| Sprint-2 |  | USN-5 | As a user, I can search for grocery items by name or filter. | 3 | High | TEAM B |
| Sprint-3 | Shopping Cart | USN-6 | As a user , I can add/remove products to/from the cart. | 4 | High | TEAM C |
| Sprint-3 |  | USN-7 | As a user, I can view total price and quantity in cart. | 2 | Medium | TEAM C |
| Sprint-4 | Order and Checkout | USN-8 | As a user, I can enter address and place an order. | 3 | High | TEAM D |
| Sprint-4 |  | USN-9 | As a user, I can pay using UPI or Cash on Delivery. | 3 | High | TEAM D |
| Sprint-4 |  | USN-10 | As a user, I receive an order confirmation and expected delivery time. | 2 | Medium | TEAM D |

**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 | 5 | 6 Days | 01 June 2025 | 06 June 2025 | 5 | 06 June 2025 |
| Sprint-2 | 6 | 6 Days | 07 June 2025 | 12 June 2025 | 6 | 12 June 2025 |
| Sprint-3 | 6 | 6 Days | 13 June 2025 | 18 June 2025 | 6 | 18 June 2025 |
| Sprint-4 | 8 | 6 Days | 19 June 2025 | 24 June 2025 | 8 | 24 June 2025 |

**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)



**VELOCITY:**

->average velocity = Total Story Points / Total Days

->Total = 25 story points over 24 days

->Average Velocity = 25/24 = ~**1.04 story points/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](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/)

[**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)

**BURNDOWN CHART**

->**X-axis** : Dates ( Sprint Days )

->**Y-axis** : Remaining Story Points

