**Project Planning Phase**

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

| Date | 26-06-2025 |
| --- | --- |
| Team ID | LTVIP2025TMID59448 |
| Project Name | ShopSmart |
| Maximum Marks | 5 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 | User Authentication | USN-1 | As a user , I can register and log in securely | 3 | High | A.Roy |
|  |  | USN-2 | As a user, I can reset my password if forgotten. | 2 | Medium | B.Verma |
| Sprint-2 | Product Discovery & Search | USN-3 | As a user, I can search groceries by name, category, and filter by price. | 3 | High | D.Khan |
|  |  | USN-4 | As a user, I can view top-selling products on the homepage. | 3 | Medium | S.Mehta |
| Sprint-4 | Shopping Cart & Checkout | USN-5 | As a user, I can add/remove products to/from my cart | 3 | High | D.Khan |
|  |  | USN-6 | As a user, I can view and update quantities in my cart. | 2 | High | A.Roy |
| Sprint-5 | Payment, Orders & Reviews | USN-7 | As a user, I can pay securely using UPI or card. | 3 | High | B.Verma |
|  |  | USN-8 | As a user, I can track order status in my order history. | 2 | Medium | S.Mehta |
|  |  | USN-9 | As a user, I can rate and review the products I’ve purchased. | 2 | Medium | A.Roy |

**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 | 20 | 6 Days | 16 June 2025 | 18 June 2025 | 20 | 19 June 2025 |
| Sprint-2 | 20 | 6 Days | 19 June 2025 | 20 June 2025 | 20 | 21 June 2025 |
| Sprint-3 | 20 | 6 Days | 21 June 2025 | 23 June 2025 | 20 | 24 June 2025 |
| Sprint-4 | 20 | 6 Days | 24 June 2025 | 26 June 2025 | 20 | 27 June 2025 |

## **Velocity Calculation:**

* **Total Story Points per Sprint:** 20
* **Sprint Duration:** 6 Days
* **Average Velocity (Story Points/Day):** Velocity=20 points6 days=3.33 story points/day\text{Velocity} = \frac{20 \text{ points}}{6 \text{ days}} = 3.33 \text{ story points/day}Velocity=6 days20 points​=3.33 story points/day

## **Burndown Chart (Reference Guide):**

* Burndown charts track the remaining work (in story points) against the sprint days.
* Use tools like JIRA, Trello, or Visual Paradigm for creating burndown charts.

**References for Charting and Agile Practices:**

* [Scrum Burndown Chart Guide](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)
* [Atlassian Agile Tutorials](https://www.atlassian.com/agile/tutorials/burndown-charts)
* [Jira Software Scrum Guide](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)