**Project Planning Phase**

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

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| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID56240 |
| 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 | Product Listing & Search | USN-1 | As a user, I can search for products from the product database. | 3 | High | Bhavagna |
| Sprint-1 | Cart Functionality | USN-2 | As a user, I can add/remove products from the cart. | 3 | High | Ampa Chaitanya Naga Durga Ganesh |
| Sprint-1 | Product Detail View | USN-3 | As a user, I can view detailed information of a selected product. | 2 | Medium | Boda Prasanna Venkata Siva Kumar |
| Sprint-1 | Backend API Setup | USN-4 | As a backend dev, I can set up APIs for fetching and storing product details. | 2 | High | Ampa Chaitanya Naga Durga Ganesh |
| Sprint-2 | Payment Integration | USN-5 | As a user, I can complete the payment through Razorpay/UPI integration. | 5 | High | Bhavagna |
| Sprint-2 | User Authentication | USN-6 | As a user, I can register/login and have my cart saved across sessions. | 3 | High | Boda Prasanna Venkata Siva Kumar |
| Sprint-2 | Dashboard UI | USN-7 | As a frontend dev, I can create a user dashboard to manage orders. | 4 | Medium | Bolla Geethika Naga Sai Sridevi |
| Sprint-2 | Deployment | USN-8 | As a dev, I can deploy the application using Vercel or Netlify. | 4 | High | Bolla Geethika Naga Sai Sridevi |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

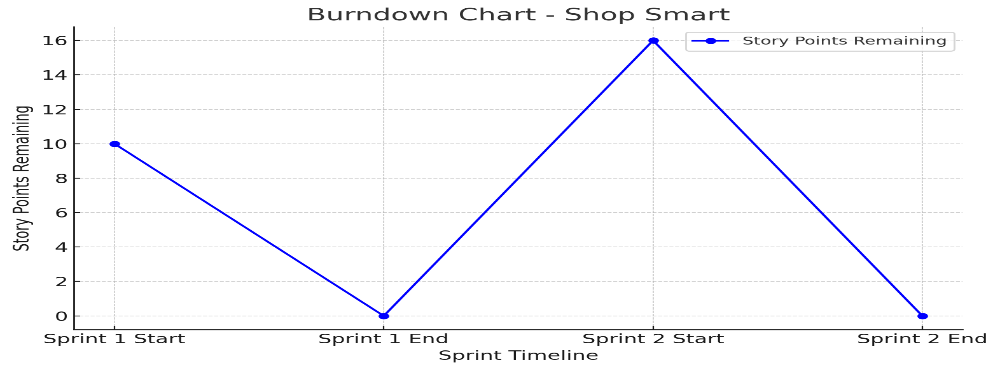
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 10 | 5 Days | 17 June 2025 | 21 June 2025 | 10 | 21 June 2025 |
| Sprint-2 | 16 | 5 Days | 22 June 2025 | 27 June 2025 | 16 | 27 June 2025 |

**Velocity Calculation**

* **Total Story Points = 10 (Sprint 1) + 16 (Sprint 2) = 26**
* **Number of Sprints = 2**
* **Velocity = 26 / 2 = 13 story points per sprint**

**Burndown Chart Summary**

* **Start of Sprint 1: 10 story points**
* **End of Sprint 1: 0 (all completed)**
* **Start of Sprint 2: 16 story points**
* **End of Sprint 2: 0 (all completed)**

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