**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 28-06-2025 |
| Team ID | LTVIP2025TMID55672 |
| Project Name | ShopEZ |
| 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 sign up and log in securely | 3 | High |  |
|  |  | USN-2 | As a user, I can reset my password | 2 | Medium |  |
|  |  | USN-3 | As a user, I can update my profile details | 2 | Medium |  |
| Sprint-2 | Product Search & Filtering | USN-4 | As a user, I can search products by name/category | 3 | High |  |
|  |  | USN-5 | As a user, I can apply filters like price range or brand | 2 | High |  |
| Sprint-3 | Cart & Checkout | USN-6 | As a user, I can add/remove products from the cart | 2 | High |  |
|  |  | USN-7 | As a user, I can proceed to checkout and place orders | 3 | High |  |
| Sprint-4 | Order Management & Reviews | USN-8 | As a user, I can track my orders in real-time | 2 | High |  |
|  |  | USN-9 | As a user, I can leave product reviews after purchase | 2 | Medium |  |

**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** | **7** | **5 Days** | **02-06-2025** | **07-06-2025** | **7** | **07-06-2025** |
| **Sprint-2** | **5** | **5 Days** | **08-06-2025** | **13-06-2025** | **5** | **13-06-2025** |
| **Sprint-3** | **5** | **5 Days** | **14-06-2025** | **19-06-2025** | **5** | **19-06-2025** |
| **Sprint-4** | **4** | **5 Days** | **20-06-2025** | **25-06-2025** | **4** | **25-06-2025** |

**Velocity Example**

**Assuming a 5-day sprint duration with the following points completed:**

* **Sprint-1: 7 points**
* **Sprint-2: 5 points**
* **Sprint-3: 5 points**
* **Sprint-4: 4 points**

**Average Team Velocity: (7 + 5 + 5 + 4) / 4 = 5.25 Story Points per Sprint**

**Burndown Chart**

**A burn down chart visually tracks remaining work over time in ShopEZ development. Reference tools:**

* [**Visual Paradigm - Scrum Burndown Chart**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)
* [**Atlassian Agile Burndown Charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**References:**

* [**Scrum with Jira**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)
* [**Understanding Epics**](https://www.atlassian.com/agile/tutorials/epics)
* [**Sprint Planning Guide**](https://www.atlassian.com/agile/tutorials/sprints)
* [**Agile Estimation Techniques**](https://www.atlassian.com/agile/project-management/estimation)