**Project Planning Phase**

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

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| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID53026 |
| Project Name | SHOP SMART |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | 4 |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 1 | High |  |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through Facebook. | 2 | Low |  |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail. | 2 | Medium |  |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering my email & password. | 1 | High |  |
| Sprint-2 | User Profile | USN-6 | As a user, I can view and edit my profile information. | 3 | Medium |  |
| Sprint-2 | Grocery List | USN-7 | As a user, I can create a grocery list to keep track of items I need to buy. | 3 | High |  |
| Sprint-2 | Grocery List | USN-8 | As a user, I can add items to my grocery list from the app. | 2 | High |  |
| Sprint-3 | Recommendations | USN-9 | As a user, I can receive personalized grocery item recommendations based on my preferences. | 5 | High |  |
| Sprint-3 | Checkout | USN-10 | As a user, I can proceed to checkout and view my total cost before finalizing my purchase. | 3 | High |  |

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

| **print** | **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 | 24 june2025 | 29 JUNE 2025 | 20 | 29 JUNE2022 |
| Sprint-2 | 20 | 6 Days | 31 june 2025 | 05 JUNE 2025 | 18 | 05 june 2022 |
| Sprint-3 | 20 | 6 Days | 07 june 2025 | 12 JUNE 2025 |  |  |
| Sprint-4 | 20 | 6 Days | 14 june 2025 | 19 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)



**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.atlassian.com/agile/tutorials/burndown-charts>**