**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 13 April 2025 |
| Team ID | SWTID1743607402 |
| Project Name | ShopEZ – Ecommerce Application |
| 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 | Team A |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 1 | High | Team A |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through Facebook. | 2 | Low | Team B |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail. | 2 | Medium | Team A |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password. | 1 | High | Team A |
| Sprint-1 | Data Collection | USN-6 | Collection of data. | 2 | High | Team C |
| Sprint-1 | Data Collection | USN-7 | Loading data into the system. | 1 | Medium | Team C |
| Sprint-1 | Data Preprocessing | USN-8 | Handling missing values. | 3 | High | Team C |
| Sprint-1 | Data Preprocessing | USN-9 | Handling categorical values. | 2 | Medium | Team C |
| Sprint-2 | Model Building | USN-10 | Model building with training data. | 5 | High | Team D |
| Sprint-2 | Model Testing | USN-11 | Testing the built model. | 3 | High | Team D |
| Sprint-2 | Deployment | USN-12 | Creating working HTML pages for UI. | 3 | High | Team E |
| Sprint-2 | Deployment | USN-13 | Deploying the application using Flask. | 5 | High | Team E |

| **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** | **8** | **5 Days** | **Feb 01, 2025** | **Feb 05, 2025** | **8** | **Feb 05, 2025** |
| **Sprint-2** | **16** | **5 Days** | **Feb 06, 2025** | **Feb 10, 2025** | **16** | **Feb 10, 2025** |
| **Sprint-3** | **10** | **5 Days** | **Feb 11, 2025** | **Feb 15, 2025** | **10** | **Feb 15, 2025** |
| **Sprint-4** | **12** | **5 Days** | **Feb 16, 2025** | **Feb 20, 2025** | **12** | **Feb 20, 2025** |
| **Sprint-5** | **8** | **5 Days** | **Feb 21, 2025** | **Feb 25, 2025** | **8** | **Feb 25, 2025** |
| **Sprint-6** | **10** | **5 Days** | **Feb 26, 2025** | **Mar 02, 2025** | **10** | **Mar 02, 2025** |
| **Sprint-7** | **6** | **5 Days** | **Mar 03, 2025** | **Mar 07, 2025** | **6** | **Mar 07, 2025** |
| **Sprint-8** | **12** | **5 Days** | **Mar 08, 2025** | **Mar 12, 2025** | **12** | **Mar 12, 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.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)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)