Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 16th April, 2025 |
| Team ID | SWTID1744119659 |
| Project Name | ShopEZ: Online E-Commerce Platform |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation**

| **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** | **Ashit** |
| **Sprint-1** | **Registration** | **USN-2** | **As a user, I will receive confirmation email once I have registered for the application** | **1** | **High** | **Arijit** |
| **Sprint-1** | **Registration** | **USN-4** | **As a user, I can register through Gmail** | **2** | **Medium** | **Atharv** |
| **Sprint-1** | **Login** | **USN-5** | **As a user, I can log in with email and password** | **1** | **High** | **Ashit** |
| **Sprint-2** | **Registration** | **USN-3** | **As a user, I can register through Facebook** | **2** | **Low** | **Nakshatra** |
| **Sprint-3** | **Product Listing** | **USN-9** | **As a user, I can view a list of products with basic details like name, price, and image** | **2** | **High** | **Arijit** |
| **Sprint-3** | **Product Listing** | **USN-10** | **As a user, I can apply filters (category, price range) to narrow down product listings** | **3** | **Medium** | **Atharv** |
| **Sprint-3** | **Cart** | **USN-11** | **As a user, I can add products to my cart** | **2** | **High** | **Ashit** |
| **Sprint-3** | **Cart** | **USN-12** | **As a user, I can view, update, and remove items in my cart** | **2** | **High** | **Atharv, Arijit** |
| **Sprint-3** | **Checkout** | **USN-13** | **As a user, I can proceed to checkout with address and payment info** | **3** | **High** | **Ashit, Nakshatra** |
| **Sprint-3** | **Checkout** | **USN-14** | **As a user, I will receive order confirmation after successful payment** | **1** | **Medium** | **Atharv** |

**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** | **6** | **6 Days** | **20 March 2025** | **25 March 2025** | **6** | **25 March 2025** |
| **Sprint-2** | **2** | **6 Days** | **26 March 2025** | **31 March 2025** | **2** | **31 March 2025** |
| **Sprint-3** | **13** | **6 Days** | **1 April 2025** | **6 April 2025** | **13** | **6 April 2025** |
| **Sprint-4** | **20** | **4 Days** | **7 April 2025** | **10 April 2025** | **20** | **10 April 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.