**Project Planning Phase**

**Project Planning (Product Backlog, Sprint Planning, Story Points)**

|  |  |
| --- | --- |
| Date | 12 April 2025 |
| Team ID | SWTID1742751842 |
| Project Name | ShopEZ: One-Stop Shop for Online Purchases |
| 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 | Bidisha |
| **Sprint-1** | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 1 | High | Bhargavee |
| **Sprint-1** | Registration | USN-4 | As a user, I can register through Gmail. | 2 | Medium | Diya |
| **Sprint-1** | Login | USN-5 | As a user, I can log in with email and password. | 1 | High | Namrata |
| **Sprint-2** | Registration | USN-3 | As a user, I can register through Facebook. | 2 | Low | Bidisha |
| **Sprint-2** | Login | USN-6 | As a user, I can reset my password via email. | 2 | Medium | Bhargavee |
| **Sprint-2** | Dashboard | USN-7 | As a user, I can view product listings on the homepage. | 3 | High | DIya |
| **Sprint-3** | Product Browsing | USN-8 | As a user, I can view products by categories. | 2 | High | Bidisha |
| **Sprint-3** | Product Browsing | USN-9 | As a user, I can view detailed information about each product. | 3 | High | Bhargavee |
| **Sprint-3** | Cart | USN-10 | As a user, I can add products to my cart. | 3 | High | Diya |
| **Sprint-3** | Cart | USN-11 | As a user, I can remove items from my cart. | 2 | Medium | Namrata |
| **Sprint-4** | Checkout | USN-12 | As a user, I can proceed to checkout and review order summary. | 3 | High | Bidisha |
| **Sprint-4** | Payment | USN-13 | As a user, I can make a payment using UPI/Credit Card. | 4 | High | Bhargavee |
| **Sprint-4** | Order Management | USN-14 | As a user, I will receive an order confirmation email. | 2 | Medium | Diya |
| **Sprint-4** | Order Tracking | USN-15 | As a user, I can track my past orders in my profile. | 3 | Medium | Namrata |

**Project Tracker, Velocity & Burndown Chart:**

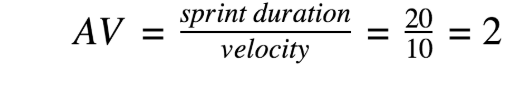
* **Sprint Duration**: 10 days
* **Start Date**: February 25, 2025
* **4 Sprints in Total**
* **Story Points per Sprint**: 20
* **Total Story Points**: 80
* **Assumed Team Velocity**: 20 story points/sprint (~2 story points/day)

**Project Tracker Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | 20 | 10 Days | February 25, 2025 | March 6, 2025 | 15 | March 07, 2025 |
| **Sprint-2** | 20 | 10 Days | March 07, 2025 | March 16,2025 | 20 | March 16, 2025 |
| **Sprint-3** | 20 | 10 Days | March 17, 2025 | March 26, 2025 | 20 | March 27, 2025 |
| **Sprint-4** | 20 | 10 Days | March 27, 2025 | April 05, 2025 | 10 | April 06, 2025 |

**Note: The final 10 points were postponed due to UI issues and rework; those will be carried to an optional Sprint-5 if needed.**

**Velocity Calculation**

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* **Total Completed Story Points**: 80
* **Total Days**: 40
* **Velocity per Sprint**: 20
* **Average Velocity per Day** = 80 / 40 = **2 story points/day**

**Burndown Chart:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Planned Points Remaining** | **Actual Points Remaining** | **Notes** |
| **February 25, 2025** | 80 | 80 | Sprint 1 begins |
| **March 06, 2025** | 60 | 65 | Delay in completing some stories |
| **March 16, 2025** | 40 | 45 | Backend integration issues, delay in closure |
| **March 26, 2025** | 20 | 25 | UI/UX rework needed, impacted completion |
| **April 05, 2025** | 0 | 10 | Final sprint incomplete; 10 points rolled forward |