**Project Planning Phase**

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

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| --- | --- |
| Date | 17 February 2025 |
| Team ID | LTVIP2025TMID58629 |
| Project Name | ShopEz Online Purchasing Website |
| 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 | Registration & Authentication | USN-1 | As a user, I can register with email and password | 2 | High | Asif |
| Sprint-1 |  | USN-2 | As a user, I receive a confirmation email upon registration | 1 | High | Thanu |
| Sprint-1 |  | USN-3 | As a user, I can log into the application with email and password | 1 | High | Koushik |
| Sprint-1 | UI & Product Categories | USN-4 | As a user, I can browse product categories and subcategories | 3 | High | Chaitanya |
| Sprint-1 | Admin Setup | USN-5 | As an admin, I can log in securely | 3 | Medium | Asif |
| Sprint-2 | Product Discovery & Filters | USN-6 | As a user, I can search and filter products by category, price, and tags | 3 | High | Thanu |
| Sprint-2 |  | USN-7 | As a user, I can view detailed product descriptions and reviews | 2 | Medium | Koushik |
| Sprint-2 | Personalized Recommendations | USN-8 | As a user, I can view personalized recommendations on the homepage | 3 | Medium | Chaitanya |
| Sprint-2 | Cart Management | USN-9 | As a user, I can add or remove products from the cart | 3 | High | Asif |
| Sprint-3 | Checkout System | USN-10 | As a user, I can securely checkout using different payment options | 5 | High | Thanu |
| Sprint-3 | Order Confirmation | USN-11 | As a user, I receive an email confirming my order details | 2 | High | Koushik |
| Sprint-3 | Seller Dashboard | USN-12 | As a seller, I can see incoming orders on my dashboard | 3 | High | Chaitanya |
| Sprint-3 | Analytics | USN-13 | As a seller, I can view sales analytics and product performance | 3 | Medium | Asif |
| Sprint-4 | Testing & Final Release | USN-14 | QA testing, bug fixing, UI refinements | 3 | High | Thanu |
| Sprint-4 |  | USN-15 | Load testing and security validation | 4 | High | Koushik |
| Sprint-4 |  | USN-16 | Deployment to production environment | 4 | High | Chaitanya |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed |
| Sprint-1 | 10 | 6 Days | 15 June 2025 | 20 June 2025 | 10 |
| Sprint-2 | 11 | 6 Days | 21 June 2025 | 26 June 2025 |  |
| Sprint-3 | 13 | 6 Days | 27 June 2025 | 1 july 2025 |  |
| Sprint-4 | 11 | 6 Days | 2 june 2025 | 7 july 2025 |  |

**Velocity**:  
Total Story Points (Sprint 1) = 10  
Assuming Sprint 2 & 3 follow average = **~11–13 points per sprint**

**Estimated Average Velocity** = 11–12 Story Points/Sprint