**Project Planning Phase**

**Planning Logic**

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| Date | 14 April 2025 |
| Team ID | SWTID1743315070 |
| Project Name | ShopEZ: E-commerce Application |

Sprint Duration → 2 Day(Sprint 1, Sprint 2, Sprint 4) , 1 Day(Sprint 3)

Story Point Effort Level:

1 → Very Easy

2 → Easy

3 → Moderate

5 → Difficult

Sprint 1: (2 Days)

- User Registration Page Design (Form, Google, Facebook) 10

- User Login & Session Authentication 10

Sprint 2:(2 Days)

- Shopping Cart & Personalized Suggestions 5

- Product Discovery & Filtering 15

Sprint 3:(1 Days)

- Product Discovery & Filtering 15

Sprint 4:(2 Days)

- Order Confirmation Notifications 10

- Seller Dashboard with Sales Analytics 10

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| **Sprint** | **Sprint Duration** | **Velocity** | **Average Velocity = Sprint duration/ velocity** |
| Sprint 1 | 5 days | 20 | 4 story points/ day |
| Sprint 2 | 5 days | 20 | 4 story points/ day |
| Sprint 3 | 8 days | 40 | 5 story points / day |
| Sprint 4 | 6 days | 20 | 3.3 story points/day |

Total Story Points Sprint 1 = 4

Total Story Points Sprint 2 = 4

Total Story Points Sprint 3 = 5

Total Story Points Sprint 4 = 3.3

Final Calculation:

Total Story Points = 4+4+5+3.3

Number of Sprints = 4

Velocity = Total Story Points / Number of Sprints

Velocity =16.3 / 4 ≈ 4.075 Story Points per Sprint

Your team’s velocity is ~4.07 Story Points per Sprint.