**Agile Planning Logic for ShopEZ**

**📌 Velocity Calculation**

* **Velocity = 16 Story Points per Sprint**

**Sprint 1: Foundation Setup**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Signup/Login Module | USN1 | 3 |
| User Profile Page **Epic 1: User Authentication & Interface** | USN2 | 2 |
| Admin Authentication | USN3 | 3 |
| Homepage UI (Responsive) | USN4 | 3 |

**Epic 2: Product Management Backend**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Product Schema & API | USN5 | 3 |
| Category/Filter Backend | USN6 | 2 |

**Total Story Points in Sprint 1 = 3+2+3+3+3+2 = 16**

**Sprint 2: Core Shopping Features**

**Epic 3: Product Discovery & Cart**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Filter UI (Style, Price, Category) | USN7 | 2 |
| Search Functionality | USN8 | 3 |
| Product Detail Page | USN9 | 2 |
| Cart Integration | USN10 | 3 |

**Epic 4: Personalized Experience**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Recommended Items Module | USN11 | 3 |
| Session-based User History | USN12 | 3 |

**Total Story Points in Sprint 2 = 2+3+2+3+3+3 = 16**

**Sprint 3: Checkout & Order Flow**

**Epic 5: Checkout Process**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Payment Gateway Integration | USN13 | 5 |
| Shipping Address Flow | USN14 | 2 |
| Order Confirmation Email | USN15 | 2 |

**Epic 6: Seller Management Dashboard**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Order Notification to Seller | USN16 | 2 |
| Seller Order Management UI | USN17 | 3 |
| Analytics Module for Seller | USN18 | 2 |

**Total Story Points in Sprint 3 = 5+2+2+2+3+2 = 16**

**Sprint 4: Enhancement & QA**

**Epic 7: Post-Launch Polishing**

| **Task** | **USN** | **Story Point** |
| --- | --- | --- |
| Bug Fixes from Testing | USN19 | 3 |
| UI Enhancements | USN20 | 2 |
| Load Testing | USN21 | 3 |
| Security Testing | USN22 | 4 |
| Final Deployment | USN23 | 4 |

**Total Story Points in Sprint 4 = 3+2+3+4+4 = 16**

**Summary**

| **Sprint** | **Focus Area** | **Total Story Points** |
| --- | --- | --- |
| Sprint 1 | Core UI + Backend Setup | 16 |
| Sprint 2 | Product Discovery & Personalization | 16 |
| Sprint 3 | Checkout + Seller System | 16 |
| Sprint 4 | QA + Deployment | 16 |

**Velocity:** 16 Points/Sprint  
 **Total Sprints:** 4  
 **Total Story Points:** 64