**SOFTWARE PRODUCT REQUIREMENTS TEMPLATE EXAMPLE**

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| SOFTWARE PRODUCT TITLE | Online Marketplace: ShopConnect |   |  |
| AUTHOR | Brennan Gardiner |   |  |
| PHONE | Phone |   |  |
| EMAIL |   |   |  |
| ADDRESS | 123 First Avenue, Suite 24C | Person holding credit card using laptop  |  |
| DATE | MM/DD/YY |   |  |
| SOFTWARE OVERVIEW |  |  |  |
| ShopConnect is an online marketplace connecting local artisans with customers seeking unique handmade goods. It provides a platform for artisans to showcase and sell their products while enabling users to discover and purchase personalized, artisanal items. |
| SOFTWARE PRODUCT OBJECTIVES |  |  |
| Primary Objective | Enable artisans to showcase and sell handmade goods. |
| Secondary Objective | Facilitate secure transactions and offer personalized user experiences. |
| STAKEHOLDERS |  |  |
| Primary Stakeholders | Development Team: Responsible for software design and implementation |
| Secondary Stakeholders | Artisan Community: Suppliers and sellers on the platform |
| FUNCTIONAL REQUIREMENTS |  |  |
| ARTISAN PROFILE CREATION |
| Description | Artisans can create profiles showcasing their products and expertise. |
| User Story / Use Case | An artisan uploads product images, descriptions, and sets prices. |
| Acceptance Criteria | Profile creation includes at least five product listings with images and descriptions. |
| SECURE TRANSACTION PROCESSING |
| Description | Implement a secure payment gateway for users to buy artisan products. |
| User Story / Use Case | User selects a product, adds it to the cart, and securely checks out. |
| Acceptance Criteria | Transactions are encrypted using SSL and PCI compliance is maintained. |
| NON-FUNCTIONAL REQUIREMENTS |  |  |
| PERFORMANCE |
| Requirement | Platform response time should be under 3 seconds for any action. |
| Metrics | Measure average response time across various platform activities. |
| SECURITY |
| Requirement | All user data should be encrypted at rest and in transit. |
| Data Encryption | Use AES256 encryption for sensitive information. |
| ASSUMPTIONS AND CONSTRAINTS |  |  |
| Assumptions | • Platform will be built on AWS infrastructure.• Initial development budget capped at $1,000,000. |
| Constraints | Must comply with GDPR and regional privacy laws. |
| DEPENDENCIES |  |  |
| External Dependencies | Integration with Stripe payment gateway for transaction processing. |
| ACCEPTANCE CRITERIA |  |  |
| Criteria 1 | At least 100 artisan profiles created within the first month of launch. |
| Criteria 2 | No reported security breaches within the first six months. |
| RISK ANALYSIS |  |  |
| TECHNICAL RISK  | MITIGATION STRATEGY |
| Potential scalability issues during peak usage periods. | Implement load balancing and scaling mechanisms. |
| MARKET RISK  | CONTINGENCY PLAN |
| Changes in consumer preferences impacting artisanal goods. | Continuous market research to adapt to changing trends. |

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| PRIORITY EFFORT |  |  |
| FEATURE | PRIORITY LEVEL | ESTIMATED EFFORT REQUIRED |
| Artisan Profile Creation | **High** | Estimated effort - 6 weeks |
| Secure Transaction Processing | **Medium** | Estimated effort - 8 weeks |
| VERSION HISTORY AND CHANGE LOG |  |  |
| VERSION  | EDITS COMPLETED BY | DATE | DESCRIPTION OF EDIT |
| 1.00 | Brennan Gardiner | MM/DD/YY | Initial draft |
| 1.10 | Makara McLean | MM/DD/YY | Updated stakeholder details |
| 1.20 | Brennan Gardiner | MM/DD/YY | Included risk analysis |
| 2.00 |   | MM/DD/YY |   |
| VISUAL AIDS |  |  |  |
| Wireframes / Mock-ups | Linked wireframe prototypes for platform layout and user interfaces. |

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