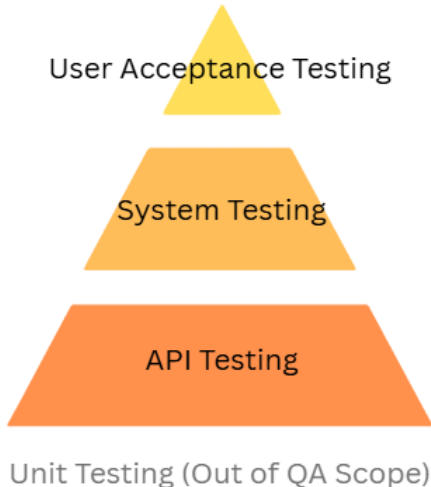


UniStyle E-Commerce Test Plan

Test Plan ID	TP-UNISTYLE-01		
Version	v1.0		
Date	2025-10-19		
Project Name	UniStyle, E-Commerce Web App		
Test Manager	Garam Yoon		
Test Objectives	This test plan focuses on early defect detection and acceptance criteria validation for prioritized user stories.		
Test Scope	<div><div><div>API Testing<ul style="list-style-type: none">- Authentication & JWT- Product CRUD- Cart & order services- Payment integrations</div><div>System Testing<ul style="list-style-type: none">- Core user-facing features- Role-based access via UI- Form validation & navigation</div><div>User Acceptance Testing<ul style="list-style-type: none">- End-to-end user scenarios- Usability & UX validation- Business acceptance criteria</div><div>Unit Testing<ul style="list-style-type: none">- Out of QA scope (handled by development)</div></div><div><p>Figure 1: Test Scope Pyramid</p></div></div>		
Test Strategy	Testing Approach		Purpose
	Black-box		Validate system behavior via inputs/outputs
	Requirement-based		Validate prioritized requirements and AC
	Risk-based		Focus on high-impact user stories
	Exploratory		Find negative and edge cases
	Manual		Verify new features
	Automated		Enable regression and early detection
Success Criteria	<div><div>1. All selected user stories are covered by testing</div><div>2. All related business rules are validated</div><div>3. All identified defects are logged and reported</div><div>4. Regression tests for stable features are automated</div></div>		

**Risk
Assessment**

- 1. Schedule constraints may impact test planning and execution.
- 2. Gaps between estimated and actual effort may affect testing efficiency.
- 3. Changes introduced during development may influence test prioritization and coverage.

Resources

Role	Name	Responsibilities
QA	Garam	API testing (Postman)
Engineer	Yoon	System testing (Selenium) Manual User Acceptance Testing (UAT) Regression Testing Automation

Dependencies

Dependency	Description
Testable User Stories	Selected user stories must be implemented to a testable state before execution
Approved Acceptance Criteria	Acceptance criteria for selected user stories must be clearly defined and agreed upon
Backend API Availability	Required APIs must be deployed and accessible
Database Readiness	Database schema and required test data must be available
Authentication & Authorization	JWT authentication and role-based access control must be correctly implemented
Third-Party Services	External services (e.g., payment gateways, image storage) must be available in test/sandbox mode
Dependency Stability	No critical dependency failures that prevent normal system behavior
Test Data Availability	Required test data must be prepared for execution

Deliverables

Test Phase	Deliverables / Activities
Before Testing	Prioritized test cases Requirement Traceability Matrix (RTM) Test scripts Test data
During Testing	Test case and script execution Defect logging and tracking Test progress monitoring
After Testing	Test execution reports Bug reports Test metrics: <ul style="list-style-type: none">- Requirement / user story coverage- Defect severity distribution- Defect detection rate