Requirement Traceability Matrix (RTM)

ID	Name	Description	Type	Priority (MosCow)	Potential Risks	API Testing ID	System Testing ID	User Acceptance Testing ID	User Story ID	User Story	Bug ID	Bug Description	Exploratory Reference (Planned)
REQ-001	Homepage Access	The system shall load the homepage successfully when accessed via the official URL.	F	Must-Have	Page load or routing failure	-	-	TC-UAT-001	US-V1	As a Visitor, I want to access the home page so that I can start browsing products.	-	-	-
REQ-002	Logo Redirect	The system shall redirect the user to the homepage when the UniStyle logo is clicked.	F	Must-Have	Broken navigation link	-	-	TC-UAT-002			-	-	-
REQ-003	Anonymous Access	The system shall allow visitors to access the homepage without requiring authentication.	F	Must-Have	Incorrect access restriction	-	-	TC-UAT-003			-	-	-
REQ-004	Category Filtering	The system shall display only products belonging to the selected category.	F	Must-Have	Incorrect filtering logic	-	-	TC-UAT-004	US-V2	As a Visitor, I want to browse products by category so that I can find relevant items.	-	-	-
REQ-005	Clear Category Filter	The system shall display all products when category filters are cleared.	F	Must-Have	Filter state not reset	-	-	TC-UAT-005			-	-	-
REQ-006	Empty Category Result	The system shall display a message when no products match the selected category.	F	Must-Have	User confusion due to empty results	-	-	TC-UAT-006			-	-	-
REQ-007	Product Details Access	The system shall display the product details page when a product is selected.	F	Must-Have	Broken product link	-	-	TC-UAT-007	US-V3	As a Visitor, I want to see product details so that I can decide whether to purchase.	-	-	-
REQ-008	Product Information Display	The system shall display product name, price, and description on the product details page.	F	Must-Have	Missing or incorrect product data	-	-	TC-UAT-008			-	-	-
REQ-009	Product Data Accuracy	The system shall display product details that match stored product records.	F	Must-Have	Data inconsistency	-	-	TC-UAT-009			-	-	-
REQ-010	Temporary Cart Storage	The system shall store selected products in a temporary cart for visitors.	F	Should-Have	Session persistence failure	-	-	TC-UAT-010	US-V5	As a Visitor, I want to temporarily store products so that I can compare them before registering.	-	-	-
REQ-011	Temporary Cart Retention	The system shall retain temporary cart items during the active browser session.	F	Should-Have	Session handling issues	-	-	TC-UAT-011			-	-	-
REQ-012	Customer Home Access	The system shall display the homepage for customers when accessed.	F	Must-Have	Homepage rendering issues	-	-	TC-UAT-012	US-RC1	As a Customer, I want to access the home page so that I can begin managing my account.	-	-	-
REQ-013	Login Redirect	The system shall redirect customers to the login page when login is selected.	F	Must-Have	Broken redirect	-	-	TC-UAT-013			-	-	-

Email: garam.yoon.tech@gmail.com
GitHub: https://github.com/JaydenGaramYoon
LinkedIn: https://www.linkedin.com/in/garam-yoon/

REQ ID	Name	Description		Priority	Risk			Test Case	US ID	User Story			
REQ-014	Valid Login	The system shall authenticate customers when valid credentials are provided.	F	Must-Have	Authentication failure	-	-	TC-UAT-014	US-RC2	As a Customer, I want to log into my account so that I can access personalized features.	-	-	-
REQ-015	Invalid Login Handling	The system shall display an error message and deny access when invalid credentials are entered.	F	Must-Have	Improper error handling	-	-	TC-UAT-015			-	-	-
REQ-016	Protected Page Redirect	The system shall redirect unauthenticated users to the login page when accessing protected pages.	F	Must-Have	Broken access flow	-	-	TC-UAT-016			-	-	-
REQ-017	Cart Persistence	The system shall save cart contents to the customer profile upon logout.	F	Should-Have	Data persistence failure	-	-	TC-UAT-017	US-RC3	As a Customer, I want my cart to be saved so that I can continue shopping later.	-	-	-
REQ-018	Cart Restore	The system shall restore saved cart contents when the customer logs back in.	F	Should-Have	Session sync issues	-	-	TC-UAT-018			-	-	-
REQ-019	Checkout Processing	The system shall process the order and display a confirmation when valid payment details are submitted.	F	Must-Have	Payment processing failure	-	-	TC-UAT-019	US-RC4	As a Customer, I want to complete purchases so that I can receive products.	-	-	-
REQ-020	Order Confirmation	The system shall display order confirmation details after a successful checkout.	F	Must-Have	Missing confirmation	-	-	TC-UAT-020			-	-	-
REQ-021	Order Tracking View	The system shall display current and past orders for the customer.	F	Should-Have	Missing order records	-	-	TC-UAT-021	US-RC5	As a Customer, I want to track my orders so that I know when to expect delivery.	-	-	-
REQ-022	Admin Portal Access	The system shall display the admin home page when valid admin credentials are provided.	F	Must-Have	Authentication failure	-	-	TC-UAT-022	US-BA1	As an Admin, I want to access the admin home so that I can manage system features.	-	-	-
REQ-023	Admin Access Restriction	The system shall deny access to the admin portal when a non-admin user attempts to access it.	F	Must-Have	Unauthorized access	-	-	TC-UAT-023			-	-	-
REQ-024	Product Creation	The system shall allow admins to create new products.	F	Must-Have	Invalid data creation	-	-	TC-UAT-024	US-BA2	As an Admin, I want to manage product catalog so that data remains accurate.	-	-	-
REQ-025	Product Update	The system shall persist updates made to product information.	F	Must-Have	Data inconsistency	-	-	TC-UAT-025			-	-	-
REQ-026	Product Deletion	The system shall remove deleted products from the storefront.	F	Must-Have	Residual data exposure	-	-	TC-UAT-026			-	-	-
REQ-027	User Account Management	The system shall allow admins to update user	F	Should-Have	Incorrect role assignment	-	-	TC-UAT-027	US-BA3	As an Admin, I want to manage user accounts so	-	-	-

		account status and roles.								that I can maintain integrity.			