

Requirements Traceability Matrix						
Module	Requirement ID	Requirement Description	Test Scenario ID	Test Case ID	Status Manual	Status Automation
Login	LG_01	User should be able to log in with valid credentials	TS_01	TC_LP_01	Covered	Covered
	LG_02	User should not be able to log in with invalid credentials	TS_01	TC_LP_02 TC_LP_03 TC_LP_04	Covered	Covered
	LG_03	Error message should be displayed for invalid login	TS_02	TC_LP_10	Covered	Covered
	LG_04	Login should be blocked for locked users	TS_01	TC_LP_06	Covered	Covered
	LG_05	Login should not be possible without credentials	TS_01	TC_LP_05	Covered	Covered
	LG_06	Login form UI should be displayed correctly	TS_02	TC_LP_09	Covered	Not Covered
	LG_07	Password field should mask entered characters	TS_02	TC_LP_10	Covered	Not Covered
	LG_08	Login page should support keyboard navigation	TS_04	TC_LP_21 TC_LP_22	Covered	Not Covered
	LG_09	Login page should contain accessible labels for screen readers	TS_04	TC_LP_17	Covered	Not Covered
	LG_10	Login page should meet Lighthouse quality thresholds	TS_03	TC_LP_14 TC_LP_15 TC_LP_16	Covered	Not Covered
Total Requirements		Covered	Not Covered	Coverage %		
10		10	0	100,00%		
	INV_01	User should be redirected to inventory page after login	TS_01	TC_LP_07	Covered	Covered
	INV_02	Inventory page should display a list of products	TS_07	TC_IP_18	Covered	Covered
	INV_03	Product cards should contain image, name, price, and button	TS_08	TC_IP_20 TC_IP_21 TC_IP_22 TC_IP_23 TC_IP_24	Covered	Not Covered

Inventory Page	INV_04	User should be able to add a product to the cart	TS_05	TC_IP_01	Covered	Covered
	INV_05	User should be able to remove a product from the cart	TS_05	TC_IP_02	Covered	Covered
	INV_06	Inventory page layout should be displayed correctly	TS_07	TC_IP_19	Covered	Not Covered
	INV_07	Inventory page should support keyboard navigation	TS_09	TC_IP_26 TC_IP_27	Covered	Not Covered
	INV_08	Inventory page should meet Lighthouse quality thresholds	TS_10	TC_IP_31 TC_IP_32 TC_IP_33	Covered	Not Covered
Total Requirements		Covered	Not Covered	Coverage %		
8		8	0	100,00%		
Shopping Cart	CART_01	User should be able to navigate to the cart page	TS_05	TC_IP_06	Covered	Not Covered
	CART_02	Added products should appear in the cart	TS_05		Not Covered	Not Covered
	CART_03	Cart badge should update product quantity	TS_05	TC_IP_07 TC_IP_08	Covered	Not Covered
	CART_04	Empty cart should be displayed correctly	TS_05	TC_IP_06	Covered	Not Covered
Total Requirements		Covered	Not Covered	Coverage %		
4		3	1	75,00%		
Burger Menu	MENU_01	Burger menu should open and close correctly	TS_11	LP_01 LP_02 LP_03 LP_04	Covered	Not Covered
	MENU_02	User should be able to log out via burger menu	TS_11	LP_03	Covered	Not Covered
	MENU_03	Burger menu should be accessible via keyboard	TS_12	LP_05 LP_06 LP_07 LP_08	Covered	Not Covered
Total Requirements		Covered	Not Covered	Coverage %		
3		3	0	100,00%		
	FT_01	Footer should be displayed on all pages	TS_13	LP_01	Covered	Not Covered

Footer	FT_02	Footer links should redirect correctly	TS_13	LP_02 LP_03 LP_04	Covered	Not Covered
	FT_03	Footer layout should not break on different viewports	TS_13	LP_05	Covered	Not Covered
	FT_04	Footer should be accessible and readable	TS_13	LP_06	Not Covered	Not Covered
Total Requirements		Covered	Not Covered	Coverage %		
4		3	1	75,00%		