

Requirements Traceability Matrix (RTM)**Project Name: Space Race Coders_079**

Requirement ID	Requirement Description	Feature	Test Case ID	Test Case Description	Status
REQ-001	User must be able to register with an email and password	User Registration	TC001	Verify user can successfully register with valid details	Passed
REQ-002	Existing users should be able to sign in with valid credentials	User Sign in	TC_011	Verify user can sign in with valid credentials	Passed
REQ-003	Users should receive an error for incorrect login attempts	User Sign in	TC_024	Verify error message appears for invalid credentials	Passed
REQ-004	Users should be able to reset their password	Forgot password		Verify user can request password reset with valid email	Failed
REQ-005	New users should be able to browse products without signing up	New User Browsing	TC_037	Verify new users can browse but need to register for purchases	Passed
REQ-006	Users must be able to add items to cart	Cart Management	TS_025	Verify user can add products to the cart	Passed
REQ-007	Users should be able to increase or decrease product quantity	Cart Management	TS_027	Verify the increase/decrease quantity buttons function correctly	Passed
REQ-008	Users should be able to schedule a test ride	Test Ride Scheduling	TC_065	Verify user can schedule a test ride for a bike	Failed(But ton doesn't work properly.)

REQ-009	Payment processing should be secure and error-free	Payment Processing	TC_025	Verify payment process completes successfully with valid data	Passed
REQ-010	Users should see a list of available bikes under 'Bikes'	Products	TC_37	Verify all products are listed correctly under "Bikes"	Passed
REQ-011	Users should see a list of available bikes under 'Jackets'	Products	TC_39	Verify all products are listed correctly under "Jackets"	Passed
REQ-012	Users should see a list of available bikes under 'Gloves'	Products	TC_40	Verify all products are listed correctly under "Gloves"	Passed
REQ-013	Users should see a list of available bikes under 'Helmet'	Products	TC_41	Verify all products are listed correctly under "Helmet"	Passed
REQ-014	Users should be able to contact customer support	Contact US	TC_067	Verify 'Contact Us' form submission is successful	Passed
REQ-015	Website should have filter and sort functionality for products	Products	TC_040	Verify sorting by price, popularity, and categories	Passed
REQ-016	Users should be able to view videos on the product page	Product Video Viewing	TC_033	Verify product videos play correctly	Passed
REQ-017	Users should be able to check order details after purchase	Order Information		Verify order summary page shows correct details post-purchase	Passed