

### Authentication (Login / Register / Logout)

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
AUTH001	Successful Login (Customer)	Verify customer can log in with valid credentials	Customer exists in DB	Redirected to home route, session set with user data	As Expected	Pass
AUTH002	Successful Login (Admin)	Verify admin can log in with valid credentials	Admin account exists in DB	Redirected to admin dashboard, session set with role=admin	As Expected	Pass
AUTH003	Invalid Email	Attempt login with non-existent email	Email not in DB	Error: "Invalid email or password."	As Expected	Pass
AUTH004	Wrong Password	Attempt login with incorrect password	Valid user exists	Error: "Invalid email or password."	As Expected	Pass
AUTH005	Empty Fields	Submit login form with no email/password	None	Browser blocks form (HTML5 validation)	As Expected	Pass
AUTH006	Registering New User	Register with valid details	Email not in DB	Account created, redirected to login	As Expected	Pass
AUTH007	Password Mismatch	Enter different password and confirm	Form filled	Error: "Passwords do not match."	As Expected	Pass
AUTH008	Duplicate Email	Register with existing email	Email already in DB	Error: "Email already registered."	As Expected	Pass
AUTH009	Logout	Verify session is destroyed after logout	User logged in	Redirected to index.php, session cleared	As Expected	Pass

## User Account/Profile

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
USER001	Access Account (Customer)	Customer visits account page	Customer logged in	Account page loads with user details	As Expected	Pass
USER002	Access Account (Admin)	Admin visits account page	Admin logged in	Redirected to admin dashboard	As Expected	Pass
USER003	Unauthorized Access	Non-logged-in user opens account route	No session	Redirected to login	As Expected	Pass

## Products

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
PROD001	List All Products	View products without filters	Products exist in DB	Product grid displayed	As Expected	Pass
PROD002	Filter by Category	View products by category param	Products exist in DB	Only products matching category displayed	As Expected	Pass
PROD003	Search Products	Search using ?q=keyword	Products exist in DB	Only products matching keyword displayed	As Expected	Pass
PROD004	Product Detail (Valid)	Open product detail with valid id	Product exists	Detail page loads with name, price, features, reviews	As Expected	Pass
PROD005	Product Detail (Invalid)	Open product detail with missing/invalid id	ID missing or not in DB	Message: "Product not found."	As Expected	Pass

## Categories

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
CAT001	Food Category Page	Visit food category route	Products exist	Only food category products displayed	As Expected	Pass
CAT002	Toys Category Page	Visit toys category route	Products exist	Only toy products displayed	As Expected	Pass
CAT003	Grooming Category Page	Visit grooming category route	Products exist	Only grooming products displayed	As Expected	Pass
CAT004	Accessories Category Page	Visit accessories category route	Products exist	Only accessories products displayed	As Expected	Pass

## Cart

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
CART001	Add to Cart (Valid)	Add valid product via POST	Product exists in DB	Added to session cart, redirect to cart or return JSON if AJAX	As Expected	Pass
CART002	Add to Cart (Invalid Product)	Try adding invalid product ID	No product found	Redirected back to products page	As Expected	Pass
CART003	View Cart	Visit cart route	Items in session cart	Cart page displays products with qty & totals	As Expected	Pass
CART004	Remove from Cart	Remove item via cart.remove&id=x	Item exists in session	Item removed from cart, cart refreshed	As Expected	Pass
CART005	Empty Cart	View cart with no items	Session cart empty	Shows “Your cart is empty”	As Expected	Pass

## Checkout

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
CHECK001	Open Checkout Page	Navigate to checkout route	Cart not empty	Checkout form loads with items listed	As Expected	Pass
CHECK002	Submit Checkout (Valid)	Fill all fields and submit	Cart with items	Redirect to success page, cart cleared, order saved in session	As Expected	Pass
CHECK003	Missing Field	Submit checkout with empty required field	Cart with items	Error: "Missing field: {fieldname}"	As Expected	Pass
CHECK004	Empty Cart	Try to checkout with empty cart	No items in cart	Totals show 0, alert "Your cart is empty!"	As Expected	Pass
CHECK005	Checkout Success Page	Open success route after order	Order placed in session	Shows summary of last order	As Expected	Pass

## Admin Dashboard

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
ADMIN001	Dashboard Access	Admin visits dashboard route	Admin logged in	Dashboard page loads with products	As Expected	Pass
ADMIN002	Unauthorized Dashboard Access	Customer tries to visit admin route	Customer logged in	Access denied (requireRole stops execution)	As Expected	Pass
ADMIN003	Create Product	Submit valid form as admin	Admin logged in	Product added, redirect dashboard	As Expected	Pass
ADMIN004	Edit Product	Edit valid product as admin	Admin logged in, product exists	Product updated, redirect dashboard	As Expected	Pass

Test Id	Name	Description	Prerequisites	Expected Output	Actual Output	Status
ADMIN005	Delete Product	Delete valid product as admin	Admin logged in, product exists	Product removed, redirect dashboard	As Expected	Pass
ADMIN006	Invalid Product Edit	Try to edit product with invalid id	Admin logged in	Message: “Product not found.”	As Expected	Pass