**Test Suite**

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| Name | TC-1: Enter admin credentials |
| Requirement | FR-1: Type of user selection |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Local host server is loaded * Click on sign in on startup page |
| Expected results | The system should redirect the user to the admin dashboard. |

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| Name | TC-2: Enter customer credentials |
| Requirement | FR-1: Type of user selection |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Local host server is loaded * Click on login on startup page |
| Expected results | The system should redirect the user to the customer home page. |

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| Name | TC-3: Leave username in the username field |
| Requirement | FR-2: Login as Admin |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Enter admin password on startup page * Click on submit button |
| Expected results | The system will display an error message of missing field |

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| Name | TC-4: Leave password in the password field |
| Requirement | FR-2: Login as Admin |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Enter admin username on startup page * Click on submit button |
| Expected results | The system will display an error message of missing field |

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| Name | TC-5: Enter valid username and password |
| Requirements | FR-2: Login as Admin |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin credentials into the field * Click on Login button |
| Expected results | The System will redirect the user to the main admin page |

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| Name | TC-6: Leave username in the username field |
| Requirement | FR-3: Login as customer |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Enter customer password on startup page * Click on submit button |
| Expected results | The system will display an error message of missing field |

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| Name | TC-7: Leave password in the password field |
| Requirement | FR-3: Login as customer |
| Precondition | Apache Tomcat server is running in the background |
| Steps | * Enter customer username on startup page * Click on submit button |
| Expected results | The system will display an error message of missing field |

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| Name | TC-8: Enter valid username and password |
| Requirements | FR-3: Login as customer |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer credentials into the field * Click on Login button |
| Expected results | The System will redirect the user to the main customer page |

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| Name | TC-9: Leave any field and then signup |
| Requirements | FR-4: Customer signup |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Click on the toggle button to signup * Fill in the required fields * Click on sign up |
| Expected results | Error message showing that a key field is missing |

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| Name | TC-10: Fill all the fields |
| Requirements | FR-4: Customer signup |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Click on the toggle button to signup * Fill in the required fields * Click on sign up |
| Expected results | Customer created successfully. |

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| Name | TC-11: Click on add product |
| Requirements | FR-5: Admin manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on add product button |
| Expected results | New page should appear to add a product |

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| Name | TC-12: Leave any field empty and add product |
| Requirements | FR-5 Admin manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on add product button * Leave one or more fields empty |
| Expected results | Missing field alert |

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| Name | TC-13: Enter Integers in product name |
| Requirements | FR-5 Admin Manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on add product button * Fill all the fields |
| Expected results | System should not accept the product details |

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| Name | TC-14: Enter Alphabets product price |
| Requirements | FR-5 Admin Manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on add product button * Fill all the fields |
| Expected results | System should not accept the product details |

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| Name | TC-15: Fill all the fields and add product |
| Requirements | FR-5 Admin manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on add product button * Fill all the fields |
| Expected results | Product added to the database |

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| Name | TC-16: Click on delete product |
| Requirements | FR-5 Admin manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on delete product button |
| Expected results | New page should appear to delete a product |

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| Name | TC-17: Enter product id and delete product |
| Requirements | FR-5 Admin manages products |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter admin username and password to sign in as admin * Click on delete product button * Enter product ID |
| Expected results | Product deleted from the database |

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| Name | TC-18: Pressing the ‘categories’ navigation button |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the categories button. |
| Expected results | A dropdown menu should open with 2 options i.e., Dresses and Footwear. |

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| Name | TC-19: Pressing the ‘dresses’ option from the category’s dropdown menu. |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the categories button. * Press the ‘dresses’ button |
| Expected results | A dropdown menu should open with 2 options i.e., Men dresses and women dresses. |

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| Name | TC-20: Pressing the ‘footwear’ option from the category’s dropdown menu. |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the categories button. * Press the ‘footwear’ button |
| Expected results | The footwear page should open. |

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| Name | TC-21: Pressing the ‘Men’s wear’ option from the dress’s dropdown menu. |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the categories button. * Press the ‘dresses’ button * Press the ‘men’s wear’ button |
| Expected results | The men dresses page should open. |

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| Name | TC-22: Pressing the ‘Women’s wear’ option from the dress’s dropdown menu. |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the categories button. * Press the ‘dresses’ button * Press the ‘Women’s wear’ button |
| Expected results | The Women dresses page should open. |

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| Name | TC-23: Pressing the ‘home’ button |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the home button |
| Expected results | Should be redirected to the home page |

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| Name | TC-24: Pressing the ‘shop’ button |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the shop button |
| Expected results | Should be redirected to the shop page |

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| Name | TC-25: Pressing the ‘shopping cart’ button |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the shopping cart button |
| Expected results | Should be redirected to the shopping cart page |

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| Name | TC-26: Pressing the ‘contact’ button |
| Requirements | FR-6: Customer navigation |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Press the shopping cart button |
| Expected results | Should be redirected to the contact page |

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| Name | TC-27: Selecting a product (either from home page or by searching in the search bar) |
| Requirements | FR-7: Select Product |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Select product from ‘home’ page or by searching * Click on the ‘view details’ button |
| Expected results | A new page should open which should display the product details. |

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| Name | TC-28: Enter alphabets in ‘quantity’ field |
| Requirements | FR-7: Select Product |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Select product from ‘home’ page or by searching * Click on the ‘view details’ button * Enter alphabets in ‘quantity’ field |
| Expected results | An error should be displayed. |

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| Name | TC-29: Enter numbers in ‘size’ field |
| Requirements | FR-7: Select Product |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Select product from ‘home’ page or by searching * Click on the ‘view details’ button * Enter numbers in ‘size’ field |
| Expected results | An error should be displayed. |

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| Name | TC-30: Click on the search bar |
| Requirements | FR-8: Customer searches for a product |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Click on the search bar * Enter product name that you want to search |
| Expected results | A new page should open which should display the product which is entered through the search bar. |

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| Name | TC-31: Add to cart button |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should view the details of the product. |
| Steps | * Enter customer username and password to sign in as customer * Select the product to purchase * Click on ‘add to cart’ button |
| Expected results | Checkout window should open, and the item should be added to the cart. |

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| Name | TC-32: Empty cart button |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should be present on the cart page. |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Click on ‘empty cart’ button on the new window |
| Expected results | The cart should display no items. |

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| Name | TC-33: Remove button |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should be present on the carts page. |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Click on ‘remove’ button on the new window |
| Expected results | Only the item on which the ‘remove’ button is pressed should be removed from the cart. |

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| Name | TC-34: Apply coupon button |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should be present on the cart page. |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Enter a valid coupon name and click on ‘apply coupon’ button. |
| Expected results | Discount should be added to the receipt, displayed at the checkout page. |

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| Name | TC-35: Place order |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should select some items to put into cart. * Customer should be present on the checkout page. |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Click on ‘Place order’ |
| Expected results | Should be redirected to a new page with empty fields to add shipping details. |

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| Name | TC-36: Shipping details |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | Apache Tomcat server is running in the background |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Click on ‘Place order’ * Fill the empty fields with valid data * Click on ‘Cash on delivery’ * Click on ‘Place order’ |
| Expected results | Should be redirected to the home page. |

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| Name | TC-37: Order placed |
| Requirements | FR-9: Customer checkout routine |
| Preconditions | * Apache Tomcat server is running in the background * Customer should select a minimum of one item for an order to be placed. * Customer should checkout in order to view orders placed. |
| Steps | * Enter customer username and password to sign in as customer * Select product to purchase * Click on ‘add to cart’ button * Click on ‘Place order’ * Fill the empty fields with valid data * Click on ‘Cash on delivery’ * Click on ‘Place order’ * Click on ‘Order placed’ |
| Expected results | Should display the order details. |