**Test Plan – Capstone Project (E-Commerce Demo Site)**

**1.TestPlan-For Search Based**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of a simple **E-Commerce Demo Website** where users can search products.

**2. Objectives**

* Verify that the basic features of the application work as expected.
* Practice creating test case and executing it.
* Learn to identify defects and document them.

**3. Scope**

* **In Scope**:
  + Product search based on prices.
  + Product Search based on category.
* **Out of Scope**:
  + Performance testing.
  + Database testing.

**4. Test Item**

* Product Search

**5. Test Approach**

* Manual testing only.
* Positive and negative test cases.

**6. Entry and Exit Criteria**

* **Entry Criteria**: Application is accessible, test cases are ready.
* **Exit Criteria**: All test cases are executed, major bugs are logged.

**7. Test Deliverables**

* Test cases (Excel/Word).
* Test execution report (Pass/Fail).
* Bug report (Excel/Jira).

**8. Resources**

* Tester: Narasimha Kuruva
* Tools: Browser (Chrome/Firefox), Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC001 | Search | Search with valid product | Enter "Laptop" → Click search | Results show laptop products |
| TC002 | Search | Search with invalid word | Enter "XYZ123" → Click search | "No product found" message |

**10. Risks**

* Site may be down sometimes.
* Demo data may reset frequently.

**11. Approval**

* **Prepared By**: Narasimha kuruva
* **Approved By**: Project Manager / Client

**Date**: 28-Aug-2025

**2.Test Plan – For Product Details**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Product Details** module of a simple E-Commerce Demo Website where users can view product information before purchase.

**2. Objectives**

* Verify that product details page displays correct and complete information.
* Validate add-to-cart functionality from the product details page.
* Practice creating and executing test cases for this module.
* Learn to identify UI/functional defects and document them.

**3. Scope**

* **In Scope:**
  + Product details page navigation.
  + Validation of product description, price, and availability.
  + Add-to-cart from product details page.
* **Out of Scope:**
  + Checkout process.
  + Payment gateway testing.

**4. Test Item**

* **Product Details Page** of the Demo E-commerce website.

**5. Test Approach**

* **Manual testing only.**
* Both **positive and negative** test cases will be executed.
* UI checks (labels, images) and functional checks (cart updates).

**6. Entry and Exit Criteria**

* **Entry Criteria:** Website is up and running, product catalog is available, test cases are prepared.
* **Exit Criteria:** All product detail test cases executed, major bugs logged, and test report prepared.

**7. Test Deliverables**

* Test Cases document (Excel/Word).
* Test Execution Report (Pass/Fail status).
* Bug Report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Chrome/Firefox browser, Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC101 | Product Details | View valid product details | 1. Search for “Laptop” → Click on a product | Product detail page opens with correct info |
| TC102 | Product Details | View product with missing info | 1. Search for “Book” → Open product without image/desc (if any) | Proper error/placeholder should be shown |
| TC103 | Product Details | Add valid product to cart | 1. Open product detail page → Click “Add to Cart” | Item should be added to cart successfully |
| TC104 | Product Details | Add out-of-stock product | 1. Open out-of-stock product detail page → Click “Add to Cart” | Error message: “Currently unavailable” |
| TC105 | Product Details | Check product price display | 1. Open product detail page → Verify price displayed | Price must be correct & visible |

**10. Risks**

* Product catalog may change frequently in demo site.
* Some products may not have consistent descriptions/images.

**11. Approval**

* **Prepared By:** Narasimha Kuruva
* **Approved By**: Project Manager / Client  
  **Date**: 28-Aug-2025

**3.Test Plan – For Cart Management**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Cart Management** module of a simple E-Commerce Demo Website where users can add, update, and remove products from the cart.

**2. Objectives**

* Verify that products can be successfully added to the cart.
* Validate cart functionalities such as update quantity, remove item, and view cart total.
* Ensure proper error handling for invalid or unavailable products.
* Practice test case creation and defect documentation.

**3. Scope**

* **In Scope:**
  + Add item to cart.
  + Update item quantity in cart.
  + Remove items from cart.
  + Display of cart summary (items, prices, total).
* **Out of Scope:**
  + Checkout/payment process.
  + Performance testing.

**4. Test Item**

* **Shopping Cart Page** of the Demo E-commerce website.

**5. Test Approach**

* **Manual testing only.**
* Positive and negative test cases.
* Focus on functional correctness and UI validations.

**6. Entry and Exit Criteria**

* **Entry Criteria:** Website is accessible, products are available, test cases are prepared.
* **Exit Criteria:** All cart test cases executed, defects logged, and test execution report prepared.

**7. Test Deliverables**

* Test Cases (Excel/Word).
* Test Execution Report (Pass/Fail status).
* Bug Report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Browser (Chrome/Firefox), Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC301 | Cart Management | Add valid product to cart | 1. Search “Mobile” → Open product → Click “Add to Cart” | Item should be added to cart successfully |
| TC302 | Cart Management | Add out-of-stock product | 1. Search out-of-stock product → Click “Add to Cart” | Error: “Currently unavailable” |
| TC303 | Cart Management | Update product quantity | 1. Add item to cart → Increase quantity to 2 | Quantity updated, price recalculated |
| TC304 | Cart Management | Remove item from cart | 1. Add item to cart → Click “Remove” | Item should be removed, cart updated |
| TC305 | Cart Management | Remove item from empty cart | 1. Open empty cart → Try removing | Error/Message: “Cart is empty” |
| TC306 | Cart Management | Verify cart total calculation | 1. Add 2 items → Verify price of each and cart total | Cart total = Sum of individual product prices |
| TC307 | Cart Management | Add multiple products to cart | 1. Add 3 different products → Open cart | All items displayed with correct details |

**10. Risks**

* Demo data may change frequently (items available/unavailable).
* Site may reset cart items due to session timeout.

**11. Approval**

* **Prepared By:** Narasimha Kuruva
* **Approved By**: Project Manager / Client  
  **Date**: 28-Aug-2025

**4**. **Test Plan – For Checkout Process**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Checkout Process** of a simple E-Commerce Demo Website where users can purchase products added to their cart.

**2. Objectives**

* Verify that users can proceed from cart to checkout successfully.
* Validate the checkout flow including address selection, payment, and order confirmation.
* Ensure error handling for invalid/failed payment methods.
* Practice documenting test cases and defect reporting.

**3. Scope**

* **In Scope:**
  + Proceed to checkout from cart.
  + Enter/select shipping address.
  + Enter payment details (valid/invalid).
  + Verify order confirmation.
* **Out of Scope:**
  + Performance/load testing of payment gateway.
  + Integration with external banking/UPI systems.

**4. Test Item**

* **Checkout Module** of the Demo E-commerce website.

**5. Test Approach**

* **Manual testing only.**
* Both positive and negative scenarios.
* Focus on functional correctness and validations.

**6. Entry and Exit Criteria**

* **Entry Criteria:** User is logged in, cart contains at least one item, test cases are prepared.
* **Exit Criteria:** All checkout test cases executed, critical defects logged, and test execution report prepared.

**7. Test Deliverables**

* Test Cases (Excel/Word).
* Test Execution Report (Pass/Fail).
* Bug Report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Browser (Chrome/Firefox), Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC301 | Checkout | Proceed to checkout with cart items | 1. Add item to cart → Click “Proceed to Checkout” | User is redirected to checkout page |
| TC302 | Checkout | Checkout with valid address | 1. Select/Add valid shipping address → Continue | Address accepted, moves to payment page |
| TC303 | Checkout | Checkout with invalid address | 1. Enter invalid address (e.g., blank fields, special chars) → Continue | Error: “Invalid address” |
| TC304 | Checkout | Pay with valid card details | 1. Select valid card/UPI → Enter details → Confirm | Payment successful, order placed confirmation |
| TC305 | Checkout | Pay with invalid card details | 1. Enter wrong card number/expired card → Confirm | Error: “Payment declined” |
| TC306 | Checkout | Pay with empty payment fields | 1. Leave payment fields blank → Confirm | Error message shown |
| TC307 | Checkout | Order confirmation page validation | 1. Place order successfully | Order ID, summary, and success message displayed |

**10. Risks**

* Payment gateway demo may not always be available.
* Session timeout may occur during checkout process.
* Dummy cards/UPI may not always be accepted.

**11. Approval**

* **Prepared By:** Narasimha Kuruva
* **Approved By**: Project Manager / Client  
  **Date**: 28-Aug-2025

**5. Test Plan – For User Account Management**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **User Account Management** features of a simple E-Commerce Demo Website. The focus is on user registration, login, password recovery, and profile management.

**2. Objectives**

* Verify that new users can register successfully.
* Ensure existing users can log in and log out correctly.
* Validate password recovery functionality.
* Verify that users can update and view their profile information.
* Practice preparing test cases and documenting defects.

**3. Scope**

* **In Scope:**
  + User registration with valid/invalid data.
  + Login with valid/invalid credentials.
  + Logout functionality.
  + Password recovery (Forgot Password).
  + Profile management (update personal details, change password).
* **Out of Scope:**
  + Security testing (e.g., SQL injection, brute force).
  + Integration with third-party authentication (Google, Facebook).

**4. Test Item**

* **User Account Management Module** of the Demo E-commerce website.

**5. Test Approach**

* **Manual testing only.**
* Positive and negative scenarios.
* Focus on functional and boundary validations.

**6. Entry and Exit Criteria**

* **Entry Criteria:** Application is accessible, test environment is ready, test data is prepared.
* **Exit Criteria:** All account management test cases executed, major defects logged, test report generated.

**7. Test Deliverables**

* Test Cases (Excel/Word).
* Test Execution Report (Pass/Fail).
* Bug Report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Browser (Chrome/Firefox), Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC401 | Registration | Register with valid details | Navigate to Registration → Enter valid info → Submit | User account created, success message displayed |
| TC402 | Registration | Register with invalid details | Enter invalid/missing fields → Submit | Error messages shown for invalid fields |
| TC403 | Login | Login with valid credentials | Enter correct email & password → Click Login | User logged in successfully |
| TC404 | Login | Login with invalid credentials | Enter incorrect email/password → Click Login | Error message: “Invalid login credentials” |
| TC405 | Login/Logout | Logout functionality | After login → Click Logout | User session ends, redirected to homepage |
| TC406 | Forgot Password | Reset with valid email | Click Forgot Password → Enter registered email → Submit | Reset link sent to email |
| TC407 | Forgot Password | Reset with invalid email | Enter unregistered email → Submit | Error: “Email not found” |
| TC408 | Profile Management | Update profile with valid data | Login → Navigate to “My Account” → Update details → Save | Profile updated successfully |
| TC409 | Profile Management | Update profile with invalid data | Enter invalid data (e.g., blank name, invalid email) → Save | Validation errors displayed |
| TC410 | Profile Management | Change password functionality | Login → Navigate to Change Password → Enter old + new password → Save | Password updated successfully |

**10. Risks**

* Forgot password link may not work due to demo environment limitations.
* Email confirmations may not actually be sent in demo mode.
* Session timeout during account updates may interrupt tests.

**11. Approval**

* **Prepared By:** Narasimha Kuruva
* **Approved By**: Project Manager / Client  
  **Date**: 28-Aug-2025

**6**. **Test Plan – Category Search**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Category-based Product Search** feature in the E-Commerce Demo Website (TutorialsNinja).

**2. Objectives**

* Verify that users can search for products within a selected category.
* Validate both valid and invalid category search scenarios.
* Learn to document, execute, and log test cases.

**3. Scope**

* **In Scope:**
  + Product search based on selected categories.
  + Combination of keyword + category search.
* **Out of Scope:**
  + Price-based filtering.
  + Sorting options (these will be handled separately).

**4. Test Item**

* Product Search by Category.

**5. Test Approach**

* Manual functional testing.
* Positive and negative test cases.
* Boundary case checks (e.g., empty category selection).

**6. Entry & Exit Criteria**

* **Entry Criteria:** Application accessible, category list available, test cases prepared.
* **Exit Criteria:** All category search test cases executed, defects logged.

**7. Test Deliverables**

* Test Case document.
* Test Execution Report.
* Bug Report.

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Chrome/Firefox, Excel for test documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC\_CAT001 | Category Search | Search within valid category | Select category “Laptops” → Enter “HP” → Click Search | Only HP laptops appear |
| TC\_CAT002 | Category Search | Search keyword without selecting category | Enter “Phone” → Leave category blank → Click Search | Products matching “Phone” from all categories displayed |
| TC\_CAT003 | Category Search | Search with invalid keyword in a valid category | Select category “Cameras” → Enter “XYZ123” → Click Search | “No product found” message shown |
| TC\_CAT004 | Category Search | Search with category only (no keyword) | Select category “Desktops” → Leave search box empty → Click Search | All products in “Desktops” category displayed |
| TC\_CAT005 | Category Search | Invalid category handling | Try selecting an unavailable category (if possible) | Error handled gracefully / no crash |

**10. Risks**

* Demo data may reset, changing category products.
* Some categories may not contain enough products for testing.

**11. Approval**

* **Prepared By:** Narasimha Kuruva
* **Approved By**: Project Manager / Client  
  **Date**: 28-Aug-2025

**7**. **Test Plan – Social Media Links**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of social media icons (Facebook, Twitter, Instagram, LinkedIn, YouTube, Skype, Pinterest, WhatsApp) displayed in the footer of the demo E-Commerce website.

**2. Objectives**

* Verify that each social media icon is clickable.
* Ensure that icons navigate to the correct external social media pages.
* Check for broken or missing links.

**3. Scope**

**In Scope**

* Testing navigation of each social media icon (Facebook, Twitter, Instagram, LinkedIn, YouTube, Skype, Pinterest, WhatsApp).
* Verify links open in a new tab/window.

**Out of Scope**

* Validating the content of external social media pages.
* API-level testing for social media integration.

**4. Test Item**

* Social media icons in the website footer.

**5. Test Approach**

* Manual testing only.
* Positive and negative testing.

**6. Entry and Exit Criteria**

**Entry Criteria**

* Website is accessible.
* Social media icons are displayed.

**Exit Criteria**

* All social media link test cases are executed.
* Any broken/missing links are logged as defects.

**7. Test Deliverables**

* Test cases (Excel/Word).
* Test execution report (Pass/Fail).
* Bug report (Excel/Jira).

**8. Resources**

* Tester: Narasimha Kuruva
* Tools: Chrome/Firefox browsers, Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC001 | Social Media | Verify Facebook link | Click on Facebook icon | Facebook official page opens in new tab |
| TC002 | Social Media | Verify Twitter link | Click on Twitter icon | Twitter official page opens in new tab |
| TC003 | Social Media | Verify Instagram link | Click on Instagram icon | Instagram official page opens in new tab |
| TC004 | Social Media | Verify LinkedIn link | Click on LinkedIn icon | LinkedIn official page opens in new tab |
| TC005 | Social Media | Verify YouTube link | Click on YouTube icon | YouTube official page opens in new tab |
| TC006 | Social Media | Verify Skype link | Click on Skype icon | Skype page opens in new tab |
| TC007 | Social Media | Verify Pinterest link | Click on Pinterest icon | Pinterest official page opens in new tab |
| TC008 | Social Media | Verify WhatsApp link | Click on WhatsApp icon | WhatsApp web opens in new tab |
| TC009 | Social Media | Verify missing/broken links | Click each icon and observe | Any missing/broken link is logged as defect |

**10. Risks**

* Social media links may be placeholders (not real).
* External pages may be blocked by firewall or require login.

**11. Approval**

**Prepared By**: Narasimha Kuruva

**Approved By**: Project Manager / Client  
**Date**: 28-Aug-2025.

**8. Test Plan – Mobile Repairing Spare**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Mobile Repairing Spare** dropdown in the navigation menu of the demo E-Commerce website. Categories include Back Panel, Camera Glass, Charging Board, Charging Pata, Keypad Mobile LCD, Mobile Display/Combo, Mobile Middle Frame, On/Off Pata, SIM Tray, and Touch Pad.

**2. Objectives**

* Verify that the **Mobile Repairing Spare** menu is displayed in the header.
* Ensure that each category in the dropdown is clickable.
* Verify that selecting a category navigates to the correct product listing page.
* Check that product counts (e.g., 3, 8, 26) match the actual items listed.
* Validate that images, names, and prices of spare parts display correctly.
* Confirm that cart updates correctly when products are added/removed.

**3. Scope**

**In Scope:**

* Testing the dropdown functionality of Mobile Repairing Spare.
* Validation of product categories, product counts, and product listings.
* Navigation to product details page.
* Add to cart and remove from cart functionality.

**Out of Scope:**

* Payment gateway testing.
* Backend stock management.
* Non-spare categories (e.g., Furnitures, Electricals, Electronics).

**4. Test Item**

* Mobile Repairing Spare dropdown menu in the header navigation bar.
* Product listing and details pages linked to these categories.

**5. Test Approach**

* Manual testing only.
* Positive and negative testing.
* Cross-browser (Chrome, Firefox, Edge) and responsive testing (desktop, tablet, mobile).

**6. Entry and Exit Criteria**

**Entry Criteria:**

* Website is accessible.
* Dropdown menu items are displayed.
* Product data is available in the system.

**Exit Criteria:**

* All category navigation test cases are executed.
* Any mismatch in product counts, broken links, or cart issues are logged as defects.

**7. Test Deliverables**

* Test cases (Excel/Word).
* Test execution report (Pass/Fail).
* Bug report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Chrome/Firefox/Edge browsers, Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC001 | Mobile Repairing Spare | Verify dropdown visibility | Hover/click on Mobile Repairing Spare menu | Dropdown with all categories is displayed |
| TC002 | Mobile Repairing Spare | Verify Back Panel navigation | Click on “Back Panel” | Back Panel product listing page opens with 3 items |
| TC003 | Mobile Repairing Spare | Verify Camera Glass navigation | Click on “Camera Glass” | Camera Glass listing page opens with 8 items |
| TC004 | Mobile Repairing Spare | Verify Charging Board navigation | Click on “Charging Board” | Charging Board listing page opens with 4 items |
| TC005 | Mobile Repairing Spare | Verify On/Off Pata navigation | Click on “On/Off Pata” | On/Off Pata listing page opens with 26 items |
| TC006 | Mobile Repairing Spare | Verify product details page | Click on any product image/name | Product details page opens correctly |
| TC007 | Mobile Repairing Spare | Verify Add to Cart | Add a product from any category | Product is added to cart, cart count & price update |
| TC008 | Mobile Repairing Spare | Verify multiple product quantities | Add the same product twice | Cart updates with increased quantity & total price |
| TC009 | Mobile Repairing Spare | Verify Remove from Cart | Remove product from cart | Product is removed, cart total updates correctly |
| TC010 | Mobile Repairing Spare | Verify product count mismatch | Compare category count (e.g., 26) with actual listing | Any mismatch is logged as defect |

**10. Risks**

* Product counts displayed may not match actual listings.
* Dropdown may not be responsive on mobile devices.
* Cart may not update when adding multiple quantities.

**11. Approval**

**Prepared By:** Narasimha Kuruva

**Approved By**: Project Manager / Client  
**Date**: 28-Aug-2025

**9**. **Test Plan – Wishlist**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Wishlist functionality** in the demo E-Commerce website. The wishlist allows users to save products for future purchase, view details, and move items to the cart.

**2. Objectives**

* Verify that users can add products to the wishlist.
* Ensure wishlist items display correct details (image, name, model, stock, unit price).
* Verify that items can be removed from the wishlist.
* Ensure items can be moved from wishlist to shopping cart.
* Validate that wishlist persists across login sessions.

**3. Scope**

**In Scope:**

* Adding items to wishlist.
* Viewing wishlist contents.
* Removing items from wishlist.
* Moving items from wishlist to cart.
* UI validation of wishlist (image, product name, model, stock status, price).

**Out of Scope:**

* Payment process.
* Discounts or offers not related to wishlist.
* API-level testing of wishlist.

**4. Test Item**

* Wishlist feature under **Account → Wishlist** section.

**5. Test Approach**

* Manual testing only.
* Positive and negative testing.
* Functional and UI testing.
* Cross-browser (Chrome, Firefox, Edge) and responsive testing (desktop, tablet, mobile).

**6. Entry and Exit Criteria**

**Entry Criteria:**

* Website is accessible.
* User has a valid login session.
* Products are available to be added to wishlist.

**Exit Criteria:**

* All wishlist test cases executed.
* Defects logged for any broken/missing functionality.

**7. Test Deliverables**

* Test cases (Excel/Word).
* Test execution report (Pass/Fail).
* Bug report (Excel/Jira).

**8. Resources**

* **Tester:** Narasimha Kuruva
* **Tools:** Chrome/Firefox browsers, Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC001 | Wishlist | Verify Add to Wishlist | Click on “Add to Wishlist” for a product | Product appears in wishlist |
| TC002 | Wishlist | Verify Wishlist page navigation | Go to Account → Wishlist | Wishlist page displays correctly |
| TC003 | Wishlist | Verify Product Details | Check image, name, model, stock, price in wishlist | Details match product info |
| TC004 | Wishlist | Verify Remove from Wishlist | Click on “X” icon for product | Product is removed from wishlist |
| TC005 | Wishlist | Verify Move to Cart | Click cart icon in wishlist | Product moves to shopping cart, removed from wishlist |
| TC006 | Wishlist | Verify Multiple Products | Add multiple items to wishlist | All products appear correctly |
| TC007 | Wishlist | Verify Empty Wishlist | Remove all products | Wishlist shows “No items” message |
| TC008 | Wishlist | Verify Wishlist Persistence | Logout and login again | Wishlist items remain saved |
| TC009 | Wishlist | Verify Unauthorized User | Access wishlist without login | Redirected to login page |

**10. Risks**

* Wishlist may not persist after logout.
* Price/stock information may not update dynamically.
* Items may duplicate if added multiple times.

**11. Approval**

**Prepared By:** Narasimha Kuruva

**Approved By**: Project Manager / Client  
**Date**: 28-Aug-2025

**10. Test Plan – Compare Module**

**1. Introduction**

This test plan is created for training purposes. It covers the testing of the **Compare functionality** in the demo E-Commerce website. The Compare feature allows users to select multiple products and compare their specifications side by side.

**2. Objectives**

* Verify that users can add products to the compare list.
* Ensure compare page displays correct product details (image, name, model, stock, price, features).
* Validate that multiple products can be compared simultaneously.
* Verify that items can be removed from the compare list.
* Ensure compare list resets/clears correctly.

**3. Scope**

**In Scope:**

* Adding items to compare.
* Viewing and navigating to Compare page.
* Validating product details displayed in comparison table.
* Removing items from compare list.
* UI validation (alignment, table format, product attributes).

**Out of Scope:**

* Payment/Checkout process.
* Discounts, offers, or coupons.
* API-level testing of compare functionality.

**4. Test Item**

* **Compare Products** feature under *Product Listing → Add to Compare* and *Compare Page*.

**5. Test Approach**

* **Manual testing only.**
* Functional testing, UI testing, and negative testing.
* Cross-browser testing (Chrome, Firefox, Edge).
* Responsive testing (desktop, tablet, mobile).

**6. Entry and Exit Criteria**

**Entry Criteria:**

* Website is accessible.
* User session (login not mandatory if compare works without login).
* At least two products available for comparison.

**Exit Criteria:**

* All compare module test cases executed.
* All defects logged and tracked.
* Critical defects fixed and re-tested.

**7. Test Deliverables**

* Test cases (Excel/Word).
* Test execution report (Pass/Fail).
* Bug report (Excel/Jira).

**8. Resources**

* Tester: **Narasimha Kuruva**
* Tools: Chrome/Firefox browsers, Excel for documentation.

**9. Sample Test Cases**

| **TC ID** | **Module** | **Test Scenario** | **Steps** | **Expected Result** |
| --- | --- | --- | --- | --- |
| TC001 | Compare | Verify Add to Compare | Click on “Add to Compare” for a product | Product added to compare list |
| TC002 | Compare | Verify Multiple Products | Add 2–4 products to compare | All products appear in compare list |
| TC003 | Compare | Verify Compare Page Navigation | Click on Compare button/link | Compare page opens with selected products |
| TC004 | Compare | Verify Product Details | Check image, name, model, stock, price, features | Details match product info |
| TC005 | Compare | Verify Remove Product | Remove a product from compare list | Product removed from compare list |
| TC006 | Compare | Verify Clear All | Clear all compared products | Compare list is empty |
| TC007 | Compare | Verify Compare Limit | Add more than allowed products (if limit exists, e.g., 4) | System prevents adding extra product |
| TC008 | Compare | Verify Compare Without Login | Add products without logging in | Compare feature works / redirects as per requirement |
| TC009 | Compare | Verify UI Alignment | Check compare table layout across devices | Table displays properly, responsive |

**10. Risks**

* Compare page may not update dynamically when products are removed.
* Product features may not align correctly in comparison table.
* Limit validation may fail (more than allowed products).

**11. Approval**

Prepared By: **Narasimha Kuruva**  
Approved By: **Project Manager / Client**  
Date: **28-Aug-2025**