Test Plan: Myntra End-to-End Application Testing

# 1. Introduction

Test Objective: To verify the functionality, performance, and user experience of the Myntra application (website/mobile app) from the homepage to order confirmation.

Scope: The test will cover all steps, including browsing products, adding to the cart, checkout, payment, and order confirmation.

Out of Scope: Any third-party integration tests (e.g., payment gateways or delivery services) beyond Myntra’s direct control.

# 2. Test Items

• Product Search & Browsing: Search functionality, filters, and product categories.  
• Product Details: Product images, descriptions, sizes, prices, and availability.  
• Wishlist: Add/remove products to/from wishlist.  
• Shopping Cart: Add, remove, and modify products in the cart.  
• User Authentication: Login, signup, and session management.  
• Checkout Flow: Cart review, address input, payment options, and final order confirmation.  
• Payment Methods: Payment through multiple methods like credit card, UPI, net banking, and Cash on Delivery (COD).  
• Order Confirmation & Tracking: Confirmation of placed orders and tracking.  
• User Interface (UI): Visual consistency, responsiveness, and navigation.

# 3. Assumptions

• All necessary test data, such as product availability, user accounts, and payment details, will be available.  
• Test environment will have access to the Myntra app/website on mobile and desktop browsers.  
• Testers will have access to real devices or emulators/simulators for testing.

# 4. Test Approach

## 4.1 Test Types

1. Functional Testing: Verify that all core features (search, add to cart, checkout, payment, etc.) work as expected.  
2. Usability Testing: Ensure the website or app is easy to use, and that the interface is intuitive.  
3. Regression Testing: Ensure that recent updates to the site do not break existing functionality.  
4. Performance Testing: Test the website/app during peak usage to ensure it does not slow down.  
5. Security Testing: Verify that sensitive data (user credentials, payment details) is securely handled.  
6. Compatibility Testing: Ensure that the application works on different devices (mobile, tablet, desktop) and browsers (Chrome, Firefox, Safari, etc.).  
7. Negative Testing: Simulate invalid actions (e.g., invalid payment, empty cart) and ensure proper error handling.  
8. Accessibility Testing: Ensure the site is accessible to users with disabilities (e.g., screen readers, keyboard navigation).

# 5. Test Cases

## 5.1 Functional Test Cases

• TC\_01: Search for a product and view details  
• TC\_02: Add product to wishlist  
• TC\_03: Add product to cart  
• TC\_04: Verify cart functionality  
• TC\_05: Checkout flow  
• TC\_06: Apply discount or coupon code  
• TC\_07: Verify payment functionality  
• TC\_08: Verify order confirmation and tracking

## 5.2 Negative Test Cases

• TC\_09: Attempt checkout with an empty cart  
• TC\_10: Try placing order with invalid payment details  
• TC\_11: Login failure with incorrect credentials  
• TC\_12: Proceed to checkout without selecting a size or color

## 5.3 UI & UX Test Cases

• TC\_13: Verify responsive design on mobile  
• TC\_14: Check cart UI after adding/removing products  
• TC\_15: Verify checkout button visibility on mobile and desktop

## 5.4 Compatibility Test Cases

• TC\_16: Verify Myntra works on different browsers  
• TC\_17: Verify Myntra works on different mobile devices

# 6. Test Environment

• Platform: Web (Google Chrome, Firefox, Safari) and Mobile (Android, iOS).  
• Tools:  
 - Manual testing (for functional and UI testing).  
 - Automation (for regression testing, if necessary).  
 - Device farm for testing on various mobile devices.

# 7. Risk Mitigation

• Testing in Multiple Browsers: To ensure the app works across all major browsers.  
• Testing during Peak Hours: Simulate high traffic to ensure performance during sales events.

# 8. Conclusion

This Test Plan outlines comprehensive manual testing for Myntra’s end-to-end shopping process, ensuring all features and functionalities work as expected and providing a seamless shopping experience for users.