**Myntra Mobile App – Test Plan**

### **1. Introduction**

The Myntra mobile application is one of India's leading fashion and lifestyle shopping platforms, offering a wide range of clothing, footwear, accessories, and beauty products. This test plan is designed to ensure that the mobile app provides a seamless and bug-free user experience across different devices, operating systems, and network conditions.

This document outlines the strategy, scope, resources, and schedule for testing the Myntra app on mobile platforms (Android and iOS). The goal is to detect and eliminate any potential bugs or usability issues before releasing the app to production.

### **2. Objective**

To ensure the Myntra mobile app is robust, user-friendly, and error-free across supported mobile platforms and environments.

### **3. Scope of Testing**

#### **✅ In Scope:**

* Functional testing
* UI/UX testing
* Network condition testing
* Cross-device and cross-OS compatibility
* App performance and stability
* Security and payment validation
* Interrupt testing
* Installation and upgrade testing

#### **❌ Out of Scope:**

* Web/Mobile web version
* Backend API-only testing

### **4. Test Strategy**

#### **Types of Testing**

* Functional
* UI/UX
* Compatibility
* Performance
* Security
* Interrupt
* Network simulation

### **5. Test Approach**

The testing will be carried out in multiple phases and across various real devices and emulators to mimic real-world usage scenarios. The approach consists of **manual testing** for critical workflows and UI validation.

**🔹 Functional Testing**

* Validate core user journeys like sign-up, login, search, filter, add to cart, and checkout.
* Each module will be tested using both valid and invalid data inputs.

#### **🔹 UI/UX Testing**

* Verify UI consistency, layout responsiveness, and alignment on different screen sizes and resolutions.
* Validate theme, font size, button placements, and error messages.

#### **🔹 Compatibility Testing**

* Test on a wide range of Android and iOS devices using both real devices and cloud services like BrowserStack.
* Validate across multiple OS versions and form factors (phones, tablets).

#### **🔹 Network Testing**

* Simulate network types (2G, 3G, 4G, WiFi, Airplane Mode).
* Validate offline handling, retries, and error messages under poor connectivity.

#### **🔹 Performance Testing**

* Measure app launch time, screen transition time, image loading time, and memory consumption.
* Use profiling tools like Android Profiler and Instruments for iOS.

#### **🔹 Security Testing**

* Ensure secure login and payment flows.
* Validate that sensitive data (like card details) is encrypted and not stored.

#### **🔹 Interrupt Testing**

* Simulate incoming calls, SMS, app switching, battery low alerts, etc.
* Verify app behavior during and after interruptions.

#### **🔹 Installation & Upgrade Testing**

* Test fresh installation, upgrade from older versions, and uninstallation behavior.
* Verify that no user data is lost during upgrade.

### **6. Test Environment**

* **Devices**: Android (OnePlus), iPhone (15 series)
* **OS**:  
  + Android: 13+
  + iOS: 15
* **Tools**:  
  + JIRA, TestRail

### **7. Test Cases**

* Login (Email/OTP/Social)
* Product Search & Filter
* Cart Add/Remove
* Order Placement with COD/Card/UPI
* Return/Cancel Flow
* Notifications
* Device Rotation
* Payment Failure Scenarios

### **8. Resources**

* QA Engineer (Manual)

### **9. Deliverables**

* Mind Map
* Test Plan
* Test Scanario
* Test Cases (manual )
* Defect Reports
* Test Summary Report

### **10. Risks & Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Device fragmentation | Use device cloud services |
| Flaky automation | Maintain automation health checks |
| Unstable builds | Sync with dev team before test cycle |

### **11. Schedule**

### **From Start** 10-04-2025

To

**End** 10-04-2025

### **12. Roles and Responsibilities**

| **Role** | **Responsibilities** |
| --- | --- |
| **Manual QA Engineer** | - Design and execute manual test cases  - Perform exploratory and functional testing  - Log defects with detailed reproduction steps  - Retest after fixes  - Perform device and network compatibility testing  **13. Entry and Exit Criteria**  **Entry Criteria**  These conditions must be met before testing can begin:   * Functional requirements and business flows are clearly documented and signed off. * Test environment is set up and accessible (including devices, test accounts, and network conditions). * Latest stable build is available for testing. * Test cases are created, reviewed, and approved. * Required tools and access permissions (e.g., JIRA)  **Exit Criteria** These conditions must be met to consider the testing phase complete:   * All planned test cases have been executed. * All critical and high-priority defects are resolved and verified. * Test summary report is created and shared with stakeholders. * Product is signed off by QA and ready for release.  |  | | --- |  |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |
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