**🌟 TEST SUMMARY REPORT 🌟**

## **🎯 Project Overview**

🔹 **Project Name:** Sweet Donut (NYKAA)  
 🔹 **Prepared By:** Palak Mangal  
 🔹 **Date:** Feb 8, 2024  
 🔹 **Reviewed By:** Self-reviewed

## **🎯 1. Objective**

The **Nykaa Demo Website - Sweet Donut** underwent **meticulous testing** to ensure an **effortless user experience, elegant UI/UX, and seamless functionality.** This demo project was tested with **Cypress automation (POM)** for functional aspects and **manual testing** for non-functional validation, guaranteeing a flawless shopping experience.

## **🚀 2. Scope of Testing**

### **✅ Automation Testing (POM Framework)**

💡 **Key Functionalities Tested:**

✔️ **Product Search & Filtering** 🔍  
 ✔️ **Wishlist Management** 💖  
 ✔️ **Cart & Checkout Flow** 🛒  
 ✔️ **User Authentication & Login** 🔐

🛠 **Advanced Modular POM Strategy:** 🔹 Ensured **scalable, reusable** automation scripts for streamlined workflows.

### **🎨 Manual Testing (Non-Functional Aspects)**

🔸 **Performance Optimization** ⚡  
 🔸 **UI/UX Responsiveness** 📱💻  
 🔸 **Cross-Device & Cross-Browser Compatibility** 🌍

📌 **Tested Platforms:** 🔹 **Devices:** Desktop | Tablet | Mobile  
 🔹 **Browsers:** Chrome | Firefox | Edge

## **📊 3. Test Metrics**

📌 **Total Test Cases:** 🎯 **50** 📌 **Executed:** ✅ **25** 📌 **Passed:** 🟢 **24** 📌 **Failed:** 🔴 **1**

## **🔎 4. Test Coverage**

### **🚀 Automation Testing Highlights**

🔹 Comprehensive **functional validation** of essential workflows like **product discovery, wishlist, cart operations, and checkout.**

🔹 **Modular, reusable test scripts** for enhanced **scalability & efficiency.**

### **🌐 Manual Testing Insights**

🔹 **User experience refinement** through intensive usability testing.

🔹 Ensured **flawless performance & responsiveness** across all devices.

## **🛠 5. Key Recommendations**

📌 **To Enhance Performance & Usability:**

1️⃣ **Fix critical bugs** impacting wishlist, cart, and checkout.  
 2️⃣ **Optimize homepage load speed** for smoother navigation.  
 3️⃣ **Refine mobile responsiveness** for an enriched user journey.  
 4️⃣ **Conduct regression testing** post-bug fixes to maintain stability.

## **✨ 6. Conclusion**

🔹 The **Nykaa Demo Website - Sweet Donut** was rigorously tested using **Selenium automation with POM and BDD cucumber** for function validation and **manual testing** for UI/UX perfection.  
 🔹 While the system performed **exceptionally well**, identified **critical bugs** need immediate resolution to deliver a truly **seamless shopping experience.**

### **🚀 Next Steps:**

✔️ **Bug Fixes** 🔧  
 ✔️ **Regression Testing** 🔄  
 ✔️ **Security & API Testing** 🔒

## **🌟 Final Notes**

This report underscores the **powerful combination** of **Selenium POM and BDD cucumber automation** and **meticulous manual testing,** ensuring a **superior quality assessment** of the **Nykaa Demo Website - Sweet Donut.** 💄✨