**🚀 Test Plan: Sweet Donut (NYKAA)**



## **🎯 Project Overview**

📌 **Project Name:** Sweet Donut  
 🌐 **URL:**[Sweet Donut](https://sweet-donut-1ca8e9.netlify.app/)

✍️ **Prepared By:** Palak Mangal  
 📅 **Start Date:** Feb 4, 2025

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## **🔍 Introduction**

📢 This document outlines the **testing strategies** and **scope** for the Sweet Donut website. It ensures seamless **functionality**, **UI/UX**, **compatibility**, and **performance** for key features such as **registration, login, product search, and cart management**.

## **🎯 Objectives**

✅ Ensure all navigation links and features function properly.  
 ✅ Verify critical features like **Registration, Login, Product Search, Add to Cart, Checkout, Wishlist, and Footer Links**.  
 ✅ Ensure seamless **responsiveness** across different browsers and devices.  
 ✅ Implement **Selenium automation** using the **POM and BDD Cucumber**.

## **📌 Scope**

📍 Covers **functional, UI/UX, and usability testing** across major browsers like **Chrome & Edge** and devices (**desktop & mobile**).  
 📍 Includes **manual & automated testing** of core features.  
 📍 **Manual testing** is performed for **non-functional testing**.

## **🛠 Testable Features**

🎯 **Registration & Login** – Account creation & authentication.  
 🎯 **Search Bar** – Product search validation.  
 🎯 **Profile Management** – Profile updates & preferences.  
 🎯 **Add to Cart** – Add/remove items from the cart.  
 🎯 **Checkout** – Secure payment processing.  
 🎯 **Wishlist** – Save favorite products.  
 🎯 **Product Categories** – Verify category navigation.  
 🎯 **Footer Links** – Test "About Us," "Contact Us," and "Privacy Policy."  
 🎯 **Responsive Design** – UI verification across devices.

## **🛠 Testing Approach**

### **🔬 Testing Types:**

✔️ **Functional Testing** – Verify core features.  
 ✔️ **UI/UX Testing** – Ensure an intuitive and aesthetic experience.  
 ✔️ **Compatibility Testing** – Cross-browser & device testing.  
 ✔️ **Performance Testing** – Measure response under different loads.

### **🔍 Testing Methodologies:**

📝 **POM Framework and BDD cucumber** – Define feature behavior through structured tests.  
 🎭 **Exploratory Testing** – Identify potential edge cases.  
 🔄 **Regression Testing** – Revalidate after fixes or updates.

## **👨‍💻 Roles & Responsibilities**

🔹 **Tester:** ✔️ Design and execute the **Test Plan**.  
 ✔️ Implement **Selenium automation** using **POM and BDD cucumber**.  
 ✔️ Conduct **manual & exploratory testing**.  
 ✔️ Document test results & highlight insights.  
 ✔️ Deliver a comprehensive **Test Summary Report**.

## **📅 Test Schedule**

| **🛠 Task** | **⏳ Duration** |
| --- | --- |
| 📝 Test Plan Creation & Mind Map | Feb 4, 2025 |
| 🧐 Test Scenario and Test Cases | Feb 5, 2025 |
| 📜 Test Scripts & Execution | Feb 6, 2025 |
| 🛠 Bug Reporting | Feb 7, 2025 |
| 📊 Test Summary | Feb 8, 2025 |

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## **📂 Test Deliverables**

| **📋 Deliverable** | **📌 Description** |
| --- | --- |
| 📊 Mind Map & Test Plan | Detailed testing strategy |
| 📜 Manual Test Cases & Automation Scripts | Functional/UI test cases |
| 🐞 Bug Report | List of identified issues |
| 📈 Test Summary | Overall testing insights |

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## **🚦 Entry & Exit Criteria**

🎯 **Entry Criteria:** ✔️ Access to **Sweet Donut website**.  
 ✔️ All features available for testing.  
 ✔️ Selenium **POM and BDD cucumber automation scripts** ready for execution.

🎯 **Exit Criteria:** ✔️ All **critical & high-priority bugs** resolved.  
 ✔️ Features meet the expected behavior.

## **🛠 Tools**

🔹 **Eclipse** – Automation testing .  
 🔹 **Google Sheets** – Manual non-functional test tracking.  
 🔹 **Google Docs** – Documentation & reporting.

## **⚠️ Risks & Mitigation**

| **⚠️ Risk** | **✅ Mitigation Strategy** |
| --- | --- |
| 🌐 Unstable website | Plan testing during stable hours. |
| 📜 Undefined requirements | Clarify scope before testing. |

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## **✅ Approvals**

📜 Masai will provide approvals for:  
 ✔️ Test Plan  
 ✔️ Scenarios  
 ✔️ Scripts  
 ✔️ Reports

Testing will proceed **only after approvals** are secured.

🎯 **End of Document** 📌 *For any queries, contact the Testing Team!* 🚀