| **Test Plan** **Project Name : Sweet Donut****URL :** [**Sweet Donut**](https://sweet-donut-1ca8e9.netlify.app/) |
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| **Prepared By**: Palak Mangal  **Start Date:** December 17, 2024  **End Date:** December 17, 2024 |
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| **Introduction** |
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This document outlines the testing strategies and scope for the Sweet Donut website. Testing ensures proper functionality, UI/UX, compatibility, and performance for key features such as registration, login, product search, and cart management.

● Website Link: [**Sweet Donut**](https://sweet-donut-1ca8e9.netlify.app/)

| **Objectives** |
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● Ensure all navigation links and features work as intended.

● Verify functionality of critical features (Registration, Login, Product Search, Add to Cart, Checkout, Wishlist, Footer Links, etc.).

● Ensure responsiveness across browsers and devices.

● Scenarios implemented with Cypress using the POM framework…

| **Scope** |
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The test plan covers functional, UI/UX, and Usability testing across major browsers (Chrome, Edge) and devices (desktop,mobile). It includes manual and automated testing of core features to ensure user experience consistency and reliability and manual testing performed for Non-functional testing

| **Testable Features** |
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● **Registration & Login**: Creating accounts and authenticating users.

● **Search Bar**: Testing the product search functionality.

● **Profile Management**: User profile updates and preferences.

● **Add to Cart**: Adding and removing items from the cart.

● **Checkout**: Completing purchases and payment gateway integration.

● **Wishlist**: Adding products to the wishlist.

● **Product Categories**: Testing navigation and product display for categories.

● **Footer Links**: Testing links like "About Us," "Contact Us," and "Privacy Policy."

● **Responsive Design**: Verifying UI elements on different screen sizes and devices.

| **Testing Approach** |
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**Testing Types:**

**● Functional Testing:** Verify that features (e.g., registration, add to cart) perform as expected.

**● UI/UX Testing:** Ensure the website is visually appealing, intuitive, and user-friendly.

**● Compatibility Testing:** Test across browsers (Chrome, Edge, Firefox) and devices (desktop, tablet, mobile)**.**

**● Performance Testing:** The website's responsiveness and stability under different loads.

**Testing Methodologies:**

●  **POM framework :** Writing scenarios to define feature behaviour.

● **Exploratory Testing:** Testing beyond documented scenarios.

● **Regression Testing:** Validating existing features after bug fixes or new feature additions.

| **Roles/Responsibilities** |
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As the sole tester for this project, I was responsible for:

● Creating a comprehensive **Test Plan** to outline objectives, scope, and strategies.

● Automating test cases using **Cypress** with the **Page Object Model (POM)** approach.

● Conducting manual and exploratory testing to ensure functional, UI/UX, and compatibility quality.

● Identifying and analysing bugs through testing and documenting insights.

● Compiling a **Test Results Summary** to highlight testing outcomes and application quality.

| **Test Schedule** |
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| **Tasks** | **Duration** |
| --- | --- |
| Test Plan Creation & Mind Map | 17 December 2024 |
| Test Scenario | 18 December 2024 |
| Test Scripts & Execution | 19 December - 20 December 2024 |
| Manual Test cases & Bug Reporting | 20 December 2024 |
| Test Summary | 21 December 2024 |

| **Test Deliverable** |
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| **Deliverable** | **Description** |
| --- | --- |
| Mind Map & Test Plan | Detailed testing strategy and scope |
| Manual Test Cases & Automation Test Scripts | Detailed cases for functional/UI testing |
| Bug Report | Identified bugs during testing |
| Test Summary | Detail summarise what I have done in whole Testing |

| **Entry and Exit Criteria** |
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**Entry Criteria**:

● Access to the Sweet donut website.

● All features available and functional.

● Approved Cypress framework using the Page Object Model scripts ready for execution.

**Exit Criteria**:

● All critical and high-priority bugs fixed.

● All features meet the expected behaviour defined in scenarios.

| **Tools** |
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1. **Cypress**: For writing and executing automation scripts.

2.**Google Sheet**: For Manual Testing to be non-functional.

3. **Google Docs**: For creating Test Plan and Test Summary.

| **Risks and Mitigation** |
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| **Risks** | **Mitigation** |
| --- | --- |
| Unstable website | Plan testing during stable hours. |
| Undefined requirements | Clarify requirements before testing |

| **Approval** |
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Masai will send different types of documents for Client Approval like below:

● **Test Plan**

● **Scenarios**

● **Scripts**

●  **Reports**

Testing will only continue to the next steps once these approvals are done.