**Test Plan for nopCommerce Social Media Section**  
**Application URL:** <https://demo.nopcommerce.com/>   
**Prepared by:** Sagnik Roy  
**Date:** 28/08/2025

**1. Test Plan Identifier**  
TP-nopCommerce-SocialMedia-2025-v1

**2. Introduction**  
This test plan outlines the testing strategy for the 'Follow Us' social media section located in the footer of the nopCommerce homepage. This section is vital for marketing and user engagement, providing direct links to the company's various social media platforms. This plan covers the visibility, correctness, and functionality of all social media links.

**3. Test Items**

* Presence and layout of the 'Follow Us' section.
* Presence and correct icon for each social media platform (e.g., Facebook, Twitter, RSS, YouTube, etc.).
* Functionality of each social media link (correct URL and opens in a new tab).
* Accessibility of the social media icons.

**4. Features to be Tested**  
**Section Visibility and Layout:**

* Verification that the "Follow Us" section header is present in the footer.
* Verification that all expected social media icons are displayed.
* Verification that the icons are aligned correctly and are visually clear.

**Social Media Link Functionality:**

* Clicking each social media icon (e.g., Facebook, Twitter, RSS, YouTube).
* Verification that the correct official nopCommerce social media page URL is launched.
* Verification that the social media page opens in a new browser tab.
* Verification that the linked social media page loads successfully without errors (e.g., no 404 page not found).

**Icon and Tooltip Verification:**

* Verification that each icon is correctly associated with its respective platform (e.g., 'f' for Facebook, bird for Twitter).
* Verification that hover tooltips (if present) display the correct platform name (e.g., "Facebook", "Twitter").

**5. Features Not to be Tested**

* User interactions on the external social media platforms (e.g., liking, sharing, commenting).
* The content, functionality, or performance of the external social media sites themselves.
* Mobile-specific social sharing features (e.g., "Share via WhatsApp" on mobile devices).

**6. Approach**  
**Manual Testing (Primary):** This feature is best suited for manual testing due to its nature of opening external URLs and requiring visual validation. All scenarios will be executed manually.  
**Automation Support:** A lightweight automated smoke test can be developed to verify the presence of the section and the href attributes of the links contain the expected base URL.

* **Framework:** Selenium WebDriver with Java.
* **BDD:** Scenarios will be written in Gherkin in .feature files.
* **Pattern:** Page Object Model (POM) will be used to store locators for the social media links.
* **Validation:** Scripts will verify the sofial media links attributes if contains the correct domain
* **Cross-Browser Testing:** The automated href validation will be run on Chrome, Firefox, and Edge.
* **Reporting:** Manual test results will be documented. Automated href validation results will be included in the Reports.

**7. Item Pass/Fail Criteria**  
**Pass:** The actual result of the test case matches the expected result (e.g., correct icon is present, correct page opens in a new tab).  
**Fail:** The actual result deviates from the expected result (e.g., icon is missing, broken link, wrong page opens, opens in same tab).

**8. Suspension Criteria and Resumption Requirements**  
**Suspension:** Testing will be suspended if the nopCommerce demo environment is unavailable for more than 2 hours.  
**Resumption:** Testing will resume once the environment is stable and accessible.

**9. Test Deliverables**

* This Test Plan document.
* Manual Test Cases and executed test matrix.
* Automated Test Assets (for href validation):
  + Page Object: Homepage.java, Footerpage.java
  + Test Script: Socialmediatest.java
* Defect Reports in JIRA for any broken/mislinked icons.

**10. Environmental Needs**

* **Application:** nopCommerce Demo Website
* **Test OS:** Windows 10/11.
* **Browsers:** Chrome, Firefox, Edge.
* **Automation Environment** 
  + JDK 17.
  + Maven 3.8.11
  + IDE: Eclipse.
  + Selenium WebDriver & Browser Drivers.
* **Network:** Stable internet connection required to access external social media sites.
* **Project Management:** JIRA for defect tracking.

**11. Responsibilities (Aligned with Capstone Roles)**

* **Product Owner (PO):** Confirm the list of official social media platforms and URLs to be tested against.
* **Scrum Master (SM):** Facilitate and ensure access to required browsers and environments.
* **Testers:** Execute manual test cases, perform cross-browser validation, and log detailed defects for any broken links in JIRA.
* **Developers:** Implement the automated href validation script if required.

**12. Schedule**

| **Activity** | **Timeline** |
| --- | --- |
| Test Planning & Case Design | Day 1 |
| Manual Test Execution & Bug Logging | Day 2 |
| Automated Href Validation Script Development & Execution | Day 3 |
| Retest & Cross-Browser Execution | Day 4 |

**13. Risks and Contingencies**

* **Risk:** The official nopCommerce social media URLs might change.
  + **Contingency:** The Product Owner will provide and sign off on the definitive list of correct URLs before testing begins.
* **Risk:** Corporate firewalls or network restrictions might block access to social media sites during testing.
  + **Contingency:** Testers will confirm network access beforehand. Testing will focus on verifying the href attribute points to the correct URL if live access is blocked.
* **Risk:** Social media sites may have intermittent downtime.
  + **Contingency:** Testers will retry after some time or verify the link on a different network/device to confirm it's an environmental issue and not a bug.

**14. Approvals**  
Test Lead: John Doe  
Product Owner: John Doe