**Personal Nutrition Website Testing Project**

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**Test Plan for personalnutrition.com**

**Objective**

To ensure that personalnutrition.com is functional, user-friendly, secure, and performs well across different devices and browsers, delivering a seamless experience to users seeking nutrition-related services.

**Scope**

* **In-Scope**: Functional testing of core features (user registration/login, meal planning, nutrition tracking, blog, contact form), UI/UX validation, cross-browser compatibility, basic performance, and security testing.
* **Out-of-Scope**: Advanced security testing (e.g., penetration testing), third-party API integrations, and load testing beyond basic checks.

**Test Environment**

* **Browsers**: Chrome, Firefox, Safari, Edge (latest versions)
* **Devices**: Desktop, tablet, mobile (iOS and Android)
* **Tools**:
  + Manual Testing: TestRail or Excel for test case management
  + Automation: Selenium WebDriver (Python) for basic functional automation
  + Performance: Google Lighthouse for basic performance metrics
  + Bug Tracking: GitHub Issues
  + Reporting: TestRail or custom Excel reports

**Test Types**

* **Functional Testing**: Verify core features work as expected.
* **Usability Testing**: Ensure intuitive navigation and user experience.
* **Compatibility Testing**: Validate functionality across browsers and devices.
* **Performance Testing**: Check page load times and responsiveness.
* **Security Testing**: Basic checks for input validation and secure data submission.

**Test Schedule**

* **Duration**: 2 weeks
* **Timeline**:
  + Day 1-2: Test plan creation and test case design
  + Day 3-7: Test execution (manual and automated)
  + Day 8-9: Bug reporting and retesting
  + Day 10: Test reporting and documentation

**Roles and Responsibilities**

* **Tester**: Create and execute test cases, log defects, generate reports.
* **Developer (assumed)**: Fix reported bugs.
* **Stakeholders**: Review test reports and provide feedback.

**Risks**

* Limited access to the website’s backend may restrict testing scope.
* Time constraints may limit exhaustive testing.
* Lack of detailed requirements may lead to assumptions.