**Test Plan (Agile + Waterfall)**

**Project: Demo Web Shop  
Website:** [**https://demowebshop.tricentis.com/**](https://demowebshop.tricentis.com/) **QA Members: 8****Prepared By: Pair 2 (2 Members)  
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**1. Introduction**

This Test Plan outlines the testing approach for the **Demo Web Shop** website.  
It covers both **Agile and Waterfall** methodologies to validate core e‑commerce features like login, product search, cart management, and checkout.

**2. Objective**

To test core e-commerce features of the Demo Web Shop, including:

* Product search
* User login & registration
* Cart management (Add/Remove)
* Checkout & order placement

**3. Approach**

**Waterfall:** Sequential process (Plan → Design → Execute)  
**Agile:** Sprint-based testing with iterative feedback

**4. Sequence Process (Waterfall)**

1. Requirement Analysis → Identify features: search, login, add to cart, checkout
2. Test Planning → Define scope, timeline, and resources
3. Test Case Design → Create detailed test cases for each feature
4. Test Environment Setup → Prepare demo environment
5. Test Execution → Run test cases manually and record results
6. Defect Reporting → Log defects in Excel or Jira
7. Test Closure → Review metrics and finalize report

**5. Agile Sprint-Based Testing**

* **Sprint Duration:** 1 Day
* **Sprint Goals:** Validate login, search, cart, and checkout
* **Tasks:**
  + Sprint Planning → Assign features
  + Write & Execute Test Cases
  + Daily Standup Review
  + Retest after fixes
* **Collaboration:** Quick feedback loop with developers

**6. Deliverables**

* Test Cases → Maintained in Excel
* Defect Log → Maintained in Excel or Jira
* Test Summary Report

**7. Schedule**

* **Day 1**
  + Morning: Requirement Review & Sprint Planning
  + Midday: Write & Execute Test Cases
  + Afternoon: Log Defects, Retest, and Closure Summary

**8. Metrics**

Metrics to be tracked include:

* Total Test Cases Planned & Executed
* Pass/Fail Ratio
* Defects Logged and Resolved