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Test Summary Report

Project Title:- Test Automation for Demo Webshop using Cypress and POM.

Demo Web Shop
Sample Application by Tricentis

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1. Overview

This Test Summary Report provides a consolidated view of the testing activities and outcomes for the Demo Web Shop website. The project aimed to implement a Cypress-based test automation framework leveraging the Page Object Model (POM) to validate key functionalities, including product browsing, cart management, checkout, and user account features.

2. Test Objective

- To ensure the core workflows of the Demo Web Shop function as intended.
- To verify end-to-end scenarios like product search, add to cart, and order placement.
- To validate user interface responsiveness and behavior across devices.
- To confirm that the website supports both guest and registered user flows

3. Test Approach

- Automation Tool Used: Cypress
- Design Pattern: Page Object Model (POM)
- Test Type: Functional, Smoke, Regression, Responsive UI
- Test Execution: Command Line Interface (CLI) and GUI mode
- Test Data: Managed via Cypress Fixtures (JSON format)

4. Summary of Test Execution

Test Area	Total Test Cases	Passed	Failed	Blocked
Homepage Navigation	07	06	01	00
Product Search/Filtering	03	03	00	00
Product Details	02	02	00	00
Cart Management	04	04	00	00
Checkout Flow	04	04	00	00
User Account/Login	04	01	03	00
Responsiveness	01	01	00	00
Total	25	21	04	00

Defect Id	Title	Severity	Status
DWS-101	Incorrect cart total calculation	High	Open
DWS-102	Payment step not loading on Firefox	Medium	In Review

6. Key Highlights

- Cypress tests executed successfully on Chrome and Edge.
- Implementation of POM made scripts reusable and maintainable.
- Responsive tests covered major breakpoints: 375px, 768px, 1024px.
- The majority of failures were environment-related and reproducible.

7. Risks & Mitigation

Risk	Mitigation
Browser compatibility inconsistencies	Extended testing to include Firefox, Edge
Cart calculation issue with discounts	Raise a bug, and involve the dev team for a fix
Incomplete payment flow on Firefox browser	Validate alternative paths and update the test

8. Conclusion

The automation framework achieved its goal of providing broad coverage for the Demo Web Shop's most critical functionalities. Due to the usage of Cypress and the POM design pattern, the system is now more testable, maintainable, and scalable. The system can be confidently validated in regression cycles and CI/CD pipelines with minor fixes applied to failed test cases.