Retrospective Document

INKARTO AUTOMATION AUTOMATION SUITE

Details	Prepared By	Reviewed By	Approved By
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Table: Group Description

Goals Achieved

• Designed and implemented a modular automation framework using POM with Page Factory

• Automated key user flows across Inkarto including Registration Feature, Product search and filtering functionality, Shopping cart and wish-list management,etc

• Enabled data-driven testing using Excel, XML, and JSON

• Integrated detailed reporting via Extent Reports and Allure

• Executed scripts successfully across Chrome and Edge browsers

What Went Well

• **Team Collaboration**: Strong ownership and coordination among members; tasks distributed effectively

• **Technical Execution**: Effective use of Selenium, TestNG, and Cucumber to structure and execute feature scenarios

• **BDD Adoption**: Clear and readable Gherkin scenarios improved test clarity and reusability

• **Reporting and Debugging**: Failures were easy to trace with screenshot logs and scenario tagging

• **Version Control**: GitHub used seamlessly for branching, merging, and tracking changes

Challenges Faced

• Synchronization issues with dynamic web elements required refined wait strategies

• Some external links and navigations varied in behaviour across browsers

• Excel data parsing required special handling for numeric field types and formatting

• Some links on the website are broken

• The website had inconsistent loading times, especially for pages with dynamic content. This required implementing **explicit waits** to ensure elements were interactable before performing actions.

Lessons Learned

- Applying the **Software Testing Life Cycle (STLC)** in a real project context brought deeper understanding

- Team-based development accelerated learning and improved exposure to advanced automation concepts

- Exposure to Agile practices like weekly planning, review, and task rotation enhanced ownership