


AUTOMATION FEASIBILITY REPORT

INKARTO AUTOMATION SUITE



Details	Prepared By	Reviewed By	Approved By
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Table: Group Description

Tools and Frameworks Used

- BDD with Cucumber
- TestNG
- Selenium WebDriver
- Apache POI / XML for Data-Driven Testing
- Extent Reports / Allure for Reporting

Automation Feasibility:

The first step in this process needs to be feasibility analysis. Automation Feasibility analysis in automation testing refers to a checklist on the basis of which we can decide whether we should proceed with the automation of the test cases or not.

Automation Feasibility Checklist (AFC)

Automation Feasibility Checklist is used to identify whether the manual test case is feasible for automation or not. The following are the criteria to determine the automation feasibility of the test cases:

Essential Criteria:

- Dependencies/Pre-requisites
- Detailed Test steps
- Test Data availability.
- Expected results
- Traceability

Optional Criteria:

- Subject Matter Expert's (SME) support
- Duplication of test steps
- Availability of multiple sets of data and Snapshot of AFC

Benefits of Automation Feasibility Checklist:

- Reduces the Manual execution effort.
- Improving Automation efficiency.
- Helps to derive effective Manual test cases.
- Control and avoid risks in Automation.

Automation Feasibility Checklist Model:

S.NO	READINESS CHECK	(YES/NO)
1	Product Stable?	YES
2	Any Planned enhancement in near future?	NO
3	Won't any bug fixes impact major functionalities?	YES
4	Are the test condition and precondition detailed?	YES
5	Test case and test data analysis done?	YES

Automation Feasibility Tables – Inkarto Workflows

Requirement 1: User Registration Automation

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to the Inkarto website homepage	1	YES / YES
2	Click on the Account icon to access registration	1	YES / YES
3	Click on the Register button to initiate registration	1	YES / YES
4	Fill in the registration form with test data: <ul style="list-style-type: none">First name (from Excel data)Last name (from Excel data)	1	YES / YES
5	Submit the registration form	1	YES / YES
6	Validate successful registration completion	1	YES / YES

This workflow focuses on validating the registration functionality for Users.

Automation Feasibility Requirement 2: Login Authentication Validation

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to the Inkarto website homepage	1	YES / YES
2	Access the login section through Account icon	1	YES / YES
3	Enter valid email and password credentials	1	YES / YES
4	Submit login form	1	YES/YES
5	Validate successful authentication	1	YES/YES

- This workflow automates to verify users are logged in and can access account features

Automation Feasibility for Requirement – 3: Address Management System

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Login with valid user credentials	1	YES / YES
2	Navigate to address management section	1	YES / YES
3	Fill address form with data from Excel file	1	YES / YES
4	Save address information	1	YES/YES
5	Validate address is successfully added to user account	1	YES/YES

This workflow validates address is successfully added to user account.

Automation Feasibility for Requirement – 4: Product Search and Filtering

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to search functionality	1	YES / YES
2	Enter search term “Lippan art” and execute search operation	1	YES / YES
3	Apply product category filters	1	YES/YES
4	Retrieve and store product list	1	YES/YES
5	Validate search results contain relevant products	1	YES/YES

This workflow validates search results containing relevant products.

Automation Feasibility for Requirement – 5: Product Category Navigation

S.N O	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALIT Y	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to Packaging Supplies menu	1	YES / YES
2	Hover over Gift Décor Products submenu	1	YES / YES
3	Access Artificial Flowers category	1	YES / YES
4	Apply "In Stock" filter	1	YES / YES
5	Set maximum price range and sort products by price	1	YES / YES
6	Capture product titles and price. Write extracted data to Excel sheet	1	YES / YES

This workflow automates extraction of product titles and prices and writes data into Excel file.

Automation Feasibility for Requirement – 6: Sticky Notes Product Options

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALI TY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to Stationery menu	1	YES / YES
2	Hover over Sticky Notes submenu	1	YES / YES
3	Capture all available sticky notes options	1	YES / YES
4	Store options list in Excel format	1	YES / YES
5	Validate menu hover functionality	1	YES / YES

This workflow ensures the option list is captured and stored in Excel file.

Automation Feasibility for Requirement – 7: Wishlist Management

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate product listings	1	YES / YES
2	Add first and second product to wish list	1	YES / YES
3	Access main wish list view	1	YES / YES
4	Fill form using XML values	1	YES / YES
5	Retrieve list of wish list items	1	YES / YES
6	Store wish list data in Excel format	1	YES / YES

This workflow attempts automates wish-list management and stores data in Excel file.

Automation Feasibility for Requirement – 8: Social Media Integration Verification

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to social media section	1	YES / YES
2	Click on each social media icon: Pinterest, Facebook, Instagram, YouTube, TikTok.	1	YES / YES
3	Capture current URLs after navigation	1	YES / YES
4	Compare with expected URLs (from Excel)	1	YES/YES
5	Mark test results as Pass/Fail	1	YES/YES

This workflow validates whether URLs are working or not.

Automation Feasibility for Requirement – 9: Social Media Followers Count

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to social media section	1	YES / YES
2	Retrieve Instagram and Instagram followers count	1	YES / YES
3	Store follower counts in Excel format	1	YES / YES
4	Validate social media elements are displayed	1	YES / YES

This workflow retrieves Instagram and Facebook followers count and store counts in Excel file.

Automation Feasibility for Requirement – 10: Newsletter Subscription

S.NO	FUNCTIONALITY NAME	TEST CASE FOR PARTICULAR FUNCTIONALITY	TEST ENVIRONMENT AVAILABLE FOR AUTOMATION (YES/NO) / POSSIBILITY FOR AUTOMATION (YES/NO)
1	Navigate to newsletter subscription section	1	YES / YES
2	Enter email address (generated randomly)	1	YES / YES
3	Click Subscribe Now button	1	YES / YES
4	Validate subscription confirmation message	1	YES / YES
5	Verify "Thanks for subscribing" message appears	1	YES/YES

This workflow validates subscription message.

Automation Vs Manual Testing

TEST PREFERENCES	TO AUTOMATE	NOT TO AUTOMATE
Are the requirements stable?	YES	YES
Does detailed test cases with predictable results available?	YES	YES
Tedious and repetitive	YES	YES
Non-Repetitive or Ad-hoc tasks	NO	NO
High Regression rate and changing	YES	YES
Low Regression rate and constant	NO	NO

