

# INTRODUCTION

This Test Summary Report provides an overview of the testing activities conducted for the Automation Store Web Application from 12 May 2025, May 17 2025

The goals of this reports are to show the following:

- Status of test cases executed with Cypress Automation Tool
- Identified defects.
- Recommendations for improving testing in the upcoming page

This is the status of all the test cases that are run on the Web Application:

Test Cases Status	Results
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Total Number of Test Case	38
Passed Test Case	31
Failed Test Case	7
Blocked/Skipped Test Case	0

## Defects Status

This table lists the number of defects in the based on their priority

Defect status	Results
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Total number	07
Blocker	0
Critical	1
Major	1
Minor	5

This table lists the number of defects in the based on their type

Total number	7
Functional	3
Usability	4

# With Cypress

## Objective:

To design and implement an automated testing framework using Cypress that validates key user workflows of an e-commerce application: login, search, add to cart, wishlist, checkout, and contact functionality.

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## Framework Structure:

cypress/

├─ e2e/

| └─ asProject.cy.js // Main test suite

├─ support/

| └─ asProject/

| └─ LoginPage.js // Handles login actions

| └─ SearchPage.js // Handles search and result validation

| └─ CartPage.js // Add to cart, view, and checkout

| └─ WishlistPage.js // Wishlist actions

| └─ ContactPage.js // Footer and Contact Us form

## Test Scenarios Covered:

Feature	Test Description
Login	Valid login, invalid login, wrong password scenarios
Search	Search for valid and invalid product names
Cart	Add product to cart, validate quantity, verify item in cart
Checkout	Add to cart → proceed to checkout → validate page load
Wishlist	Select product, add to wishlist, navigate to wishlist, verify product
Contact Us	Navigate from footer → validate Contact Us page and form visibility

## Tech Stack:

- **Testing Tool:** Cypress
- **Programming Language:** JavaScript (ES6+)
- **Design Pattern:** Page Object Model (POM)
- **Assertion Style:** Cypress's **should**, **contains**, **url**, **get**, **within**

## Highlights:

- Tests are modular, maintainable, and follow the Page Object Model
- Each feature is encapsulated in its own class for reusability
- Runs in headless or headed mode with Cypress Test Runner

## Recommendations & Suggestions :

Below are the List of improvements needed for the Automation Store Web Application:

### Wishlist Behavior

- **Users can add to wishlist without any confirmation or visual feedback.**
- Suggestion: Show a toast message like “Added to Wishlist” or animate the wishlist icon.
- Also, no option to remove items from wishlist.

### Cart & Checkout Logic

- No confirmation message before proceeding to checkout.
- Suggestion: Add a summary popup before redirecting to checkout.

### Search Suggestions

- As-you-type suggestions are missing in the search bar.

