HCLTech | Supercharging Progress™

Global consumer goods giant reduced testing time by 50%

HCLTech cut costs and time-to-market
with its automated testing framework for WMS

British multinational consumer goods company with a **global presence in 190 countries**

The objective:

Automate the entire WMS testing process from a manual intervention to automating workflows

The challenge:

Adopting a manual testing approach requires well trained testers who have the functional knowledge of the application. Also, the amount of time which needs to be invested in executing test cases categorized as simple, medium, complex scenarios can be quite high taking into account manual errors during testing, knowledge scale up and ensuring the test steps are as per business requirement. All this builds up to a lot of turnaround time.

However, building up a test automation framework for automating application will involve a high degree of time, effort and human cost to execute the following:

- Understanding of the functional workflows of BY WMS applications
- Creating manual test cases covering all aspects of WMS scenarios to be tested
- Executing the test cases once to capture and validate system sanity before handing it over to automation team
- Building an automation setup in UFT/Selenium or any leading tools from scratch would need a handshaking of trained automation testers and WMS functional consultants to jointly develop the solution
- All this leads to a high turnaround time in delivering the right solution at the right time
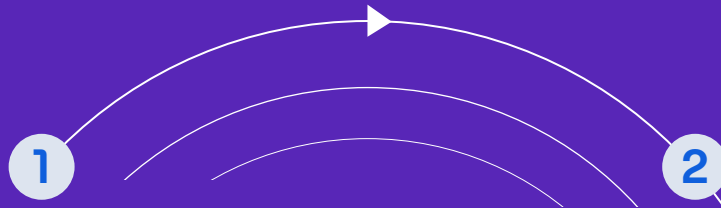
The Solution:

HCLTech has partnered with cycle automation testing solutions which helps in rapid and quick deployment of pre-built set of automated test cases functionally categorized into the modules supported by Blue Yonder WMS version. An inbuilt Blue Yonder WMS testing framework having all the standard automated test cases available right at the doorstep comes with the following benefits to the end users:

1. Zero time, cost and effort spent in building standard base functional test cases from scratch - Standard repository of ~200 test cases which gives a head start to the testing cycle

2. Ease of scripting significantly helps to leverage the base scripts and go to the next level building custom scripts based on custom features of WMS as per business requirements. Overall time and effort to build custom scripts is significantly low compared to other standard automation frameworks in the market

3. Solutions supports latest features of BY WMS mobile automation, RF automation, generates detailed test case report with success and failures details. In any standard build of automation test framework building all these features from scratch along with validations and human effort can be an extensive high turn around engagement

4. Significant ease and time reduction in performing regression testing due to clubbing of functional base scripts – which can be picked and executed anytime

5. Multiple pre-built utilities to categorize and run the functional flows:
a. As a scenario suite
b. Silo functional
c. End-to-end regression

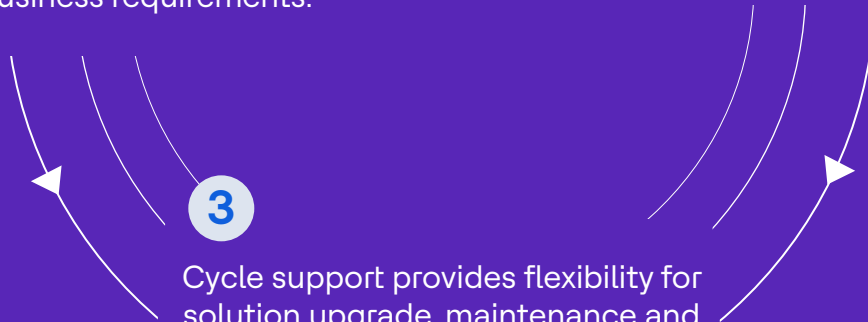6. Solution support Q/A 24x7 through online knowledge base categorized with FAQ's and SME support

The impact:

Significant reduction in cost and turnaround time for a rapid deployment of automation framework.

1

Building ~ 200 automated test scripts from scratch involves a significant amount of human cost and time. With cycle automation framework, it is a ready to use pre-built solution which has the flexibility and ease to be upscaled and customized as per business requirements.

2

Significant reduction in labor cost as experienced scripting knowledge to build custom scripts is not required – skillset can be quickly learnt following behavior driven development framework.

3

Cycle support provides flexibility for solution upgrade, maintenance and support to cater to new BY WMS versions and functionalities. Significant manual effort and time reduction in the following activities:

Analysis of new features

Build new scripts to support new features

Testing and validation

Requirement of both functional consultant and automation testing team during the entire build process

Regression testing of the whole framework

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