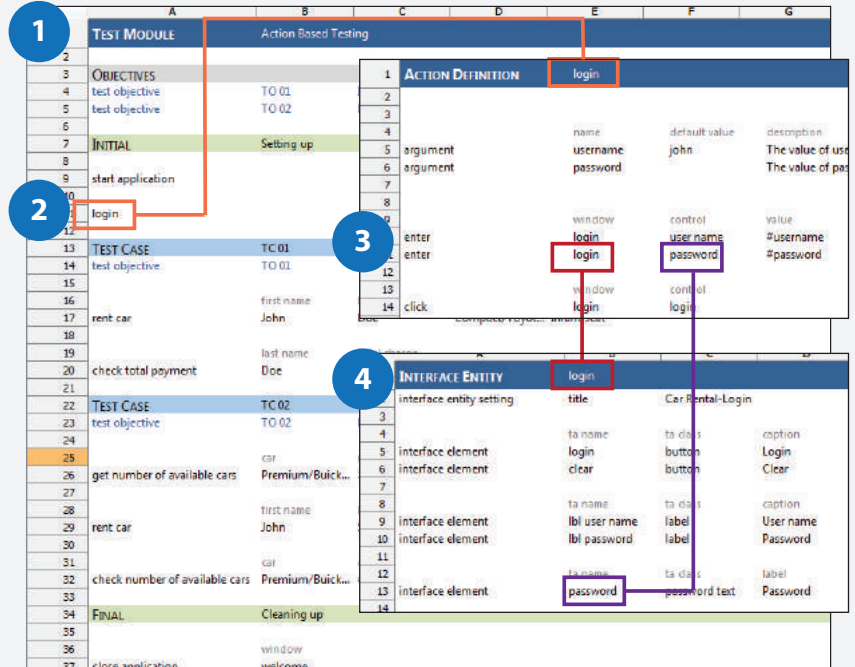## THE ADVANCED CODE-LESS AUTOMATION SOLUTION

TestArchitect is an integrated test automation platform that focuses on scaling up test automation coverage & productivity by leveraging a smaller programming staff to support a much larger non-programming staff.

The core concept in TestArchitect are Actions (think keywords on steroids) that an out-of-the-box library of 386 (and counting) preprogrammed actions that fulfill almost all of your functional testing needs. I ncluding interacting with GUI controls spanning across Desktop, Web and Mobile, Web Service, OS, command line, database, images and more.

• User-defined Actions: Are actions that you create by combining both built-in actions and other user-defined actions. Unlike other tools, you can construct user-defined actions recursively to maximize the reusability.

• Scripted Actions: When needed, you can implement user-defined actions using C#, Java or Python. They will be instantly available for the whole team to reuse.

Figure: Some of the action-based test assets In TestArchitect



1. 'Action-Based Testing' is a test module
2. 'login' is a user-defined action
3. 'enter' is a built-in action
4. 'password' is the logical name of the password control in the Login form

## PRODUCTS

### TestArchitect TEAM™

FREE

Perfect for small teams:
• Free cost with access to all features
• 2 node-locked users per company
• Forum support

### TestArchitect ENTERPRISE™

Unlimited version for enterprise teams:
• Premium licenses: node-locked, floating and run-only available
• Maintenance & Support included
• Support: call, portal, email, hot fix

## CONTINUOUS TESTING FOR CONTINUOUS DELIVERY/DEVOPS: THE TESTARCHITECT APPROACH & ITS BENEFITS

TestArchitect gives the control you need when driving fast toward the Continuous Delivery/ DevOps journey:

**Control in automation planning and development**

TestArchitect allows business testers to create tests and related test assets as soon as the user stories are ready. When the sprint starts, the testers will first create the higher business level tests. These tests stay at the same level as the user stories and acceptance criteria. Further into the sprint, interaction tests will be developed when

the user interfaces, or APIs have become stable enough to make it worthwhile.

### Control in scaling up test automation coverage

With TestArchitect, test automation shifts from automating test cases to automating app-level actions. Business testers with their domain knowledge can rapidly automate app-level actions using rich functionalities, the existing built-in actions and other app-level actions. Automation developer also play an important role in this process, they assist in the design process to maximize action reusability & maintainability. In a typical TestArchitect project, one automation engineer can support many business testers.

### Control in adapting changes

TestArchitect embraces app changes and makes.

adapting to them easy. TestArchitect offers features such as Screenshot Recording and Test Results Comparison to help you quickly spot the changes in the new AUT version. Once found, you can make necessary updates in a controllable fashion. Interface mapping and actions are defined in a single repository with assigned logical names which make them reusable. This allows you to smoothly update all related automated test assets.

### Control in tool integrations & quality reporting

TestArchitect's Reporting & Dashboard provides centralized, real time and actionable reports to help Agile teams objectively assess application quality. In addition, the seamless integrations with ALM, TCM and CI tools help bring testing, test automation and continuous testing together in the most effective and collaborative way.

## KEY FEATURES & SUPPORTED AUT TECHNOLOGIES

**OPERATING SYSTEMS**: Windows, Linux, Mac, Android, iOS

**AUT TECHNOLOGIES SUPPORTED**

*386 (and counting) prebuilt, platform-agnostic and rich funtionality actions span across platforms:*

| Web<br>(Desktop & Mobile) | • Chrome, Firefox, Safari, Edge, Internet Explorer<br>• Selenium WebDriver |
|---|---|
| Desktop | • .NET, WinForms, WPF, Silverlight, Java and QT<br>• Telerik, DevExpress, etc. |
| Mobile | • Native, hybrid and web apps.<br>• Multidevice execution onphysical & virtual devices.<br>• Vendoragnostic cloud execution. |
| Web Service | • REST, SOAP, XML, JSON |
| Other | • Database, Command-line<br>• Image, OCR |

**TOOL INTEGRATIONS**

Selenium WebDriver; MS Visual Studio/Team Foundation Server/Test Manager; Quality Center; Jira; Zephyr; Jenkins, etc.

EXECUTION: Parallel, Distributed, Lead-Deputy

**ACTION-BASED TESTING FRAMEWORK**

• The only Test IDE specifically designed for rapid action-based automation

• Modular test design & organization

• Selenium WebDriver integration

• Platform/configuration variations handling

• Extend when needed using C#, Python, Java

**MANAGEMENT & REPORTING**

• Built-in Test Management System

• Dashboard Server: real-time automation metrics

• Built-in Version Control

• Lab Manager

## WHY TESTARCHITECT IS BETTER

### FOR YOUR ORGANIZATION

• Automate Common AUT Technolgies: Web, Mobile, Desktop, API & More
• Flexible Staffing
• Low Maintenance Cost
• High Automation Coverage

### FOR AUTOMATION ENGINEERS

• Intuitive Action-Based IDE
• Easy To Extend with C#, Java, Python
• API Integration Testing
• Generic CI/CD Support
• Screenshot Recording

### FOR BUSINES TESTERS

• Codeless Automation
• Comprehensive Pre-built Actions Library
• Integration with Test Management Tools
• User friendly Test Report

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