

Customisation

‘Test the component meaningful behaviour,
not the low-level behaviour of the control...’

Overview

WinRunner™ and QuickTest Professional™ support standard components (objects) or those extended from the standard base components, these standard objects are also referred as out-of-the-box supported components.

WinRunner™ and QuickTest Professional™ try to automatically recognise custom objects (non-standard components) and provide testing support for them; however WinRunner™ and QuickTest Professional™ can only provide partial context sensitive support by recording mouse clicks and key strokes e.g. obj_mouse_click for WinRunner, Click for QuickTest Professional.

This might not satisfy all your testing needs, you might therefore want us to customise the appropriate add-in to gain additional functionality for the specific custom object(s).

eProdix can extend the specific environment add-in interfaces by overriding existing methods and defining new ones, this is done through the creation of a custom server. When the custom control is mapped to an existing WinRunner™ or QuickTest Professional™ test object, you have the full functionality of a WinRunner™ or QuickTest Professional™ standard test object, including all standard product features.

A component meaningful behaviour is the behaviour you want to test, for example when you click on a group item of an ExplorerBar component you are interested in the value of the selection, not in the click event and the coordinates of the click.

However, since the object is a custom class, QuickTest Professional™ will provide partial context sensitive support by recording the click event.

The meaningful behaviour of the ExplorerBar component is the change in the selection, and not the low-level behaviour of the control.

When eProdix customises the specific control, extra support is added to the component so the result is meaningful.

QuickTest Professional™ will therefore be recording a meaningful operation e.g. SelectGroup "Accounts " reflecting the new group selection instead of the low-level click operation.

Benefits

Immediate return on investment

✓ Meaningful operation is recorded

QuickTest Professional™ or WinRunner™ will record a meaningful operation e.g. SelectGroup "Accounts " reflecting the new group selection instead of the low-level click operation Click 23, 45

✓ Usability

Subject Matter Expert or Business Analyst can use new methods through Step Generator or KeyWord View in QuickTest Professional and Function Generator in WinRunner

✓ Reliability

Replay is done using the API of the object, therefore we can guarantee total reliability.

✓ Maintainability

Modifies a dll instead of all scripts, so the extensibility can be enhanced afterwards.

✓ Readability

Easy to understand e.g. SelectGroup "Accounts "

✓ Object recognition

Because the dynamic assistive identifier (index, windows id, ordinal identifier, etc...) changes depending how the objects are currently laid out in a window (number of objects), the physical description containing this property is not consistent. This inconsistent description may lead to the tool being unable to identify the same object in between runs or even during a single application execution.

Features

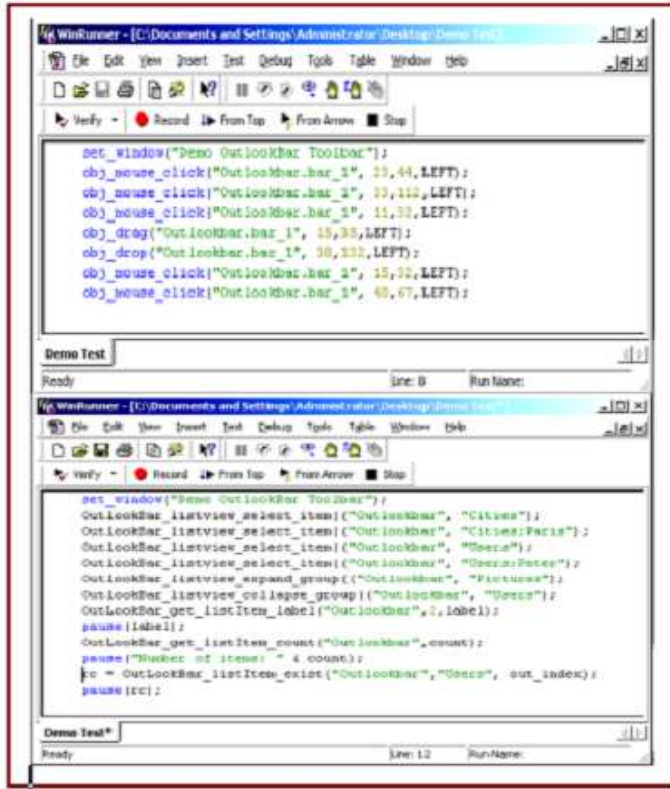


Fig 1. Before and after customisation.

When the custom control is mapped to an existing WinRunner™ or QuickTest Professional™ test object, you have the full functionality of a WinRunner™ or QuickTest Professional™ standard test object, including:

WinRunner™

- ✓ Visibility in Intellisense
- ✓ Access to functions (overridden and new) through Function Generator
- ✓ Full record/replay solution
- ✓ Addition of new properties in order to provide reliable object recognition
- ✓ Visibility in Spy
- ✓ Access to custom Help for new functions

QuickTest Professional™

- ✓ Visibility in Intellisense
- ✓ Access to functions through Step Generator
- ✓ Access to functions through KeyWord View
- ✓ Full record/replay solution
- ✓ Addition of new properties in order to provide reliable object recognition
- ✓ Visibility in Object Spy
- ✓ Documentation for the new functions
- ✓ Tooltip text for functions

Environments

eProdix is able to provide customisation for the following environments:

WinRunner™

- Core
- Delphi
- Java
- Oracle

QuickTest Professional™

- Java
- .NET Windows Form
- Oracle

Quality Center™ / TestDirector®


eProdix will also be able to provide replay solutions as an alternative to customisation


About eProdix

eProdix is a specialist IT Solution Provider, founded by Ex-Mercury Consultants, focusing on Mercury Quality testing solutions, enterprise test automation, software/system testing and test project management services.

Providing a wide range of highly customized and focused services including expert consultancy for test-script reengineering, manual testing & test automation, software quality assessments & test management, technical writing, and custom trainings, eProdix delivers quality with proven methodologies. Our mission is to help our clients rapidly acquire effective expertise and the tools to deploy, upgrade and manage critical business systems.

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