

Using QUICKTEST PROFESSIONAL 8.2 (3 DAYS)

Intended Audience

New users of QuickTest who need to automate manual testing and verification in a short amount of time.

Overview

This core course provides a comprehensive understanding of using QuickTest Professional 8.2 as an automated functional testing tool for different environments. You will use QuickTest Professional's graphical point and click interface to record and play back tests, add synchronization points and verification steps, as well as create multiple action tests. You will build upon fundamental topics by using debug tools to troubleshoot tests and use additional checkpoints and product options to broaden the scope of business processes that can be automated. Once tests are created, you will discover and correct common record and play back problems. All topics are supported by hands-on exercises that are based on real-life examples.

Course Overview

At the end of the course, you will be able to:

- Create basic scripts from a manual test case
- Add verification steps to tests
- Manage objects in the Object Repository
- Parameterize tests
- Customize checkpoints with parameters
- Run an integrated test scenario using Multiple Actions
- Use the Step Generator
- Use debug tools
- Use custom checkpoints
- Use database checkpoints
- Create virtual objects
- Discuss Per-Action vs. Shared Object Repositories
- Use Analog and Low-Level recording modes
- Use Object and Smart Identification

Prerequisites

Working knowledge of:

- Windows
- Web sites and browsers
- Testing concepts

Duration: 3 Days

Faculty:

- **Mercury Certified Product Consultant.**

DAY 1 – Create the basic test

Course Overview

- Outline the benefits of QuickTest
- Professional

Prepare to Record

- Review Documented Manual Test Steps
- Discuss and use the Add-In Manager
- Set QTP Options
- Launch QTP

Create A Test

- Create and Execute Basic Tests
- Understand QuickTest Results

Working With Objects

- Identify Objects and their Properties
- Discuss basics of the Object Repository

Synchronization

- Add Synchronization Steps
- Set Global Sync Timeouts

Using Standard Checkpoints

- Enhance Tests with Checkpoints
- Use Regular Expressions

Parameters and Data Driving

- Create Input Parameters
- Create Output Parameters
- Create Data-Driven tests
- Enhance Checkpoints with Parameters

DAY 2 – Enhance the basic test

Reusable and Multiple Actions

- Create a Single Reusable Action
- Create Multiple Actions
- Use Global and Local Data Sheets

Add Steps without Recording

- Describe the benefits of the Step Generator
- Outline each of the options available in the Step Generator dialog box
- Create tests using features of the Step Generator

Create Tests on a Web Application

Discuss differences in:

- Setup
- Add-Ins
- Object Recognition
- Synchronization

Recovery Scenario

- Exception Handling
- Recovery Scenario Wizard
- Optional Steps

Review Basics of QTP

- Review QTP workflow
- Review Record and Play Back
- Review the Object Repository
- Review Synchronization
- Review Standard Checkpoints
- Review Parameters

DAY 3 – Use additional features

Custom Checkpoints

- Create a Parameterized Checkpoint
- Compare Captured with Expected Values
- Use Debug Tools
- Report Step Outcome with an Error Message

Database Checkpoints

- Describe the purpose of a Database Checkpoint
- Create an SQL Query
- Create a Database Checkpoint
- Use a Database Checkpoint to Verify Database Entries
- Parameterize a Database Query
- Describe the purpose of a Database Checkpoint

Object Recognition Problems and Solutions

- Use Analog Recording
- Use Low-Level Recording
- Use a bitmap checkpoint
- Create Virtual Objects

Maintain Object Repositories

- Describe Per-Action vs. Shared Object Repositories
- Create Custom Objects using Object Identification
- Generate a Script to Reset QTP Configurations
- Describe How and When Smart Identification is Used

Key Training Deliverables:

- Comprehensive knowledge on features and functionality.
- Scripting usage.
- Practice sessions - Hands on experience.
- Exposure to current best practices.
- Competence to use the tool in a project environment.
- Mercury Endorsement Participation Certification.
- Original Courseware from Mercury