

## **QuickTest Pro First Steps Windows**

### **Course Summary**

#### **Description**

This core course provides comprehensive understanding of QTP as a functional automated testing tool for different windows environments. The course covers the use of QTP's graphical point and click interface to record and run tests, to add synchronization points and verification steps, and to create tests with multiple actions. The course delves into test objects, how QTP identifies them, how to use and manage the object repository and spy. The student will build on fundamental topics by using debugging tools to troubleshoot tests. Additional checkpoints and product options will be used to broaden the scope of business processes that can be automated. Once tests are created, the student will discover and correct common record and run problems.

#### **Topics**

- Introduction to Testing Automation
- QuickTest Interface
- Creating a Basic Test
- Introduction to Test Objects
- Managing the Object Repository
- Synchronizing the Test
- Introduction to Checkpoints
- Introduction to Data-Driven
- Output Data and Dynamic Checkpoints
- Generating Steps

#### **Audience**

This course is designed for new users who need to automate manual tests and verifications in a short amount of time. The course covers Windows Forms testing.

#### **Prerequisites**

There are no prerequisites required for this course.

#### **Duration**

Three days

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### Course Outline

- I. Introduction to Testing Automation**
  - A. Quality Assurance
  - B. Automated Testing and Manual Testing
  - C. Automation Costs and ROI
  - D. About HP-QuickTest Professional
- II. QuickTest Interface**
  - A. Testing Process
  - B. Identify the application under test
  - C. QuickTest user interface
  - D. QuickTest toolbars
  - E. QuickTest layout
  - F. Configure record and run settings
- III. Creating a Basic Test**
  - A. The Basic Script
  - B. Introduction to the active screen
  - C. Saving the Test
  - D. QuickTest Professional Test Structure
  - E. View test results
- IV. Introduction to Test Objects**
  - A. What is an Object?
  - B. Object Properties
  - C. Object Methods
  - D. Windows Objects
  - E. How QTP identifies Objects?
  - F. The Object Spy
  - G. The Object Repository
- V. Managing the Object Repository**
  - A. Logical Names
  - B. The Object Repository Window
  - C. Adding Test Objects to the Object Repository
  - D. Object Repository User Interface
  - E. Viewing and Modifying Test Object Properties
  - F. Locating Objects
- VI. Synchronizing the Test**
  - A. Synchronizing the Test
  - B. Different Synchronization Points
  - C. Creating and Inserting Synchronization Points
  - D. Synchronization point dialog box
  - E. Synchronization failure
- VII. Introduction to Checkpoints**
  - A. Understanding Checkpoints
  - B. Adding New and Existing Standard Checkpoints
  - C. Checking object Property Values
  - D. Types of Checkpoints
  - E. Modifying and Renaming Checkpoints
  - F. Analyzing Checkpoints Results
  - G. Using Regular Expressions
  - H. Checking Text and Text-Areas
- VIII. Introduction to Data-Driven**
  - A. Parameterize Values
  - B. Different Parameter Types
  - C. Working with Data Tables
  - D. Using Data Table Parameters
  - E. Working with Global and Action Sheets
  - F. Setting Data Table Parameter Options
  - G. Choosing Global or Action Data Table Parameters
  - H. Inserting Input Data
  - I. Test Result Iterations
- IX. Output Data and Dynamic Checkpoints**
  - A. Outputting Values
  - B. Creating Output Values
  - C. Outputting Property Values
  - D. Specifying the Output Type and Settings
  - E. Alternatives to Output Value
  - F. Dynamic Checkpoints
  - G. Run-Time Data Table
  - H. Parameterize Objects
- X. Generating Steps**
  - A. Business Logic Steps
  - B. Inserting Steps Using the Step Generator
  - C. The Step Generator Window
  - D. Adding Other Types of Steps to Your Test
  - E. Working with Comments
  - F. Sending Information to Results ( Reporting )
  - G. Measuring Transactions

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