

## Advanced QTP With HP-QTP Certification

### Course Content

#### Define Automation and Automation Concepts

- ▶ Introduction to Test Automation
- ▶ Test Automation Truths or Myths
- ▶ Seven Steps to Test Automation Success

#### Test Automation Planning

- ▶ Extract information that will be used to create a basic test script
- ▶ Distinguish the types of data to use as sample test data
- ▶ Identify two strategies for creating test data

#### Basics of QTP

- ▶ Recording Modes
- ▶ Standard
- ▶ Analog
- ▶ Low level
- ▶ Run Modes
- ▶ Normal
- ▶ Fast
- ▶ Update
- ▶ Analyze Test Result
- ▶ Record & Run Settings
- ▶ Global Test Settings

#### Create a Test

- ▶ Create and Execute Basic Tests
- ▶ Understand Quick Test Results

#### Working with Objects

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

#### 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

#### Enhance the basic test

##### Reusable and Multiple Actions

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

##### Parameters and Data Driving

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

##### Using Standard Checkpoints

- ▶ Enhance Tests with Checkpoints
- ▶ Use Regular Expressions

##### 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
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#### Synchronization

- ▶ Add Synchronization Steps
  - ▶ Set Global Sync Timeouts
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#### Using Data Table Object

- ▶ Using External datasheets
  - ▶ Data table object Methods
  - ▶ Import Sheet
  - ▶ Export Sheet
  - ▶ Add Sheet
  - ▶ Delete Sheet
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#### Recovery Scenario

- ▶ Recovery Scenario Wizard
  - ▶ Optional Steps
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#### VB Scripting

- ▶ Loop Constructs
  - ▶ Conditional Statement
  - ▶ Variable Declaration
  - ▶ Functions, Subroutines
  - ▶ External VB Script File.
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#### Descriptive Programming

- ▶ What is descriptive programming?
  - ▶ Benefits of descriptive programming
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#### Create Virtual Objects

##### Automation Frameworks

- ▶ Data Driven
- ▶ Hybrid
- ▶ Script Modularity
- ▶ Keyword Driven