

QTP Course Content;

Introduction

- ✓ Overview on Test Automation
- ✓ Ways of Testing
- ✓ Disadvantages of Manual Testing
- ✓ Advantages of Test Automation
- ✓ Drawbacks of Test Automation
- ✓ Test Automation
- ✓ Types of Test Automation
- ✓ Functional Test Automation
- ✓ Types of Test Tool
- ✓ History of QTP
- ✓ Basic Features of QTP
- ✓ Installation process of QTP

Basic Features of QTP

- ✓ General Frame Work to learn any Automated Tool
- ✓ Types of Automated Tools
- ✓ Version History

QTP Test Process

- ✓ Planning
- ✓ Generating Basic Tests
- ✓ Enhancing Tests
- ✓ Debugging Tests
- ✓ Running Tests
- ✓ Analyzing Test Results
- ✓ Reporting Defects

Key Elements of QTP

- ✓ Key Elements of QTP
- ✓ Active Screen
- ✓ Debug Viewer pane
- ✓ Tool Options
- ✓ Record and Run Settings
- ✓ Recording Process
- ✓ Running Process
- ✓ Recording Modes

Object Repository

- ✓ Software objects
- ✓ Types of object in QTP
- ✓ Runtime Objects
- ✓ Test Objects

Object Repository

- ✓ Local Repository
- ✓ Shared Repository

Operations on Object Repository

- ✓ Adding Objects
- ✓ Renaming Objects
- ✓ Deleting Objects
- ✓ Associating Object Repositories to an Action
- ✓ Exporting Local Objects
- ✓ View Options
- ✓ Spying Objects

Generating Tests Manually through Expert view

Generating Steps through Keyword view

Object Identification Configurations

- ✓ Object Identification Configuration
- ✓ Normal Identification
- ✓ Mandatory Properties
- ✓ Assertive Properties
- ✓ Smart Identification
- ✓ Base filter Properties
- ✓ Option filter properties
- ✓ Ordinal Identifier

Checkpoints & Output Values

- ✓ Inserting Check points
- ✓ Standard Checkpoint
- ✓ Text Checkpoint
- ✓ Text Area Checkpoint
- ✓ Bitmap Checkpoint
- ✓ Database Checkpoint

- ✓ Accessibility Checkpoint
- ✓ XML Checkpoint

- ✓ Inserting Output values
- ✓ Standard Output value
- ✓ Text Output value
- ✓ Text Area Output value
- ✓ Database Output value
- ✓ XML Output value

Parameterization and Synchronization

- ✓ Synchronization
- ✓ Definition
- ✓ Where Synchronization is required:
- ✓ Process
- ✓ Ways of synchronization
- ✓ Inserting the synchronization point
- ✓ Increasing the default time/ Increasing Tool default synchronization time
- ✓ Inserting the wait statement

- ✓ Parameterization
- ✓ Definition
- ✓ Process

- ✓ Ways of Parameterization
- ✓ Through data driver wizard
- ✓ Through key word view
- ✓ Manually
- ✓ Actions, Environment Variables

Actions

- ✓ Types of actions
- ✓ Non-reusable Actions
- ✓ Re-Usable actions
- ✓ External Actions
- ✓ Creating an Action
- ✓ Splitting Actions
- ✓ Renaming an Action
- ✓ Deleting an Action
- ✓ Making an Reusable/Non-Reusable

- ✓ Calling an existing Action
- ✓ Environment Variables
- ✓ Built-in Variables
- ✓ User Defined Variables
- ✓ Defining, modifying and associating environment variables

Transaction Points, Adding Comments

- ✓ Inserting Transaction Points
- ✓ Start Transaction & End Transaction
- ✓ Timer Function
- ✓ Defining Test Results

- ✓ Adding Comments
- ✓ Purpose of Comments
- ✓ Comment a Block of Statements
- ✓ Uncomment a Block

Debugging Tests, Batch Testing

- ✓ Debug Commands & Break Points
- ✓ Step Into
- ✓ Step Over
- ✓ Step Out
- ✓ Automation Object Model
- ✓ Automating Quick Test Operations

- ✓ Recovery Scenarios
- ✓ Trigger events
- ✓ Pop-Up window
- ✓ Object State
- ✓ Test Run Error
- ✓ Application Crash

Built-In Functions/ Inserting the Programmatic

- ✓ Comments
- ✓ Utility statements
- ✓ Normal statements (or) Object calls
- ✓ Conditional statements
- ✓ Looping statements
- ✓ statements

File system object

- ✓ File system Object
- ✓ Creating Files
- ✓ Reading Data
- ✓ Writing Data
- ✓ Creating Folders

Regular Expressions

- ✓ Understanding & Using Regular Expressions
- ✓ Handling Dynamic Objects
- ✓ Defining Regular Expressions

Batch Testing

- ✓ Test Batch Runner
- ✓ Creating Test Batches
- ✓ Providing permission to Test Batch Runner
- ✓ Running Test Batches
- ✓ Running Partial Batches

Introduction, Basic Framework

- ✓ Automation Framework, Types of Framework
- ✓ Creating Folder Structure
- ✓ Creating & Storing Automation Resources
- ✓ Organizing & Managing Resources
- ✓ Generating Driver Scripts
- ✓ Generating Initialization Script (AOM Script)

1.Linear Frame Work

2.Modular Frame Work /Reusable actions

3.User defined Functions/Keyword driven Frame Work

4.Data Driven Frame Work

5.Hybrid Frame Work

Introduction, QTP Scripting

- ✓ QTP Descriptive Programming for QTP (2 days)
- ✓ VB Script for QTP
- ✓ Test Management tool from HP
- ✓ (Mercury Interactive)
- ✓ Quality Center

OTHER DEFECT TRACKING TOOLS:

- ✓ Bugzilla
- ✓ MD tracker

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