



# QTP – Automation

Available Delivery Methods:

E-learning

Instructor Led Virtual Class

Instructor Led Face to Face Class

## Course Outline

### 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
- General Frame Work to learn any Automated Tool
- Types of Automated Tools
- Version History QTP
- Test Process
- Planning
- Generating Basic Tests
- Enhancing Tests
- Running Tests
- Analyzing Test Results
- Reporting Defects

### 2. QTP KEY ELEMENTS

- Test Pane
- Active Screen
- Data Table
- Tool Options
- Recording & Running Tests
- Record and Run Settings
- Recording Process
- Running Process
- Recording Modes

### 3. OBJECT REPOSITORY

- Software objects
- Runtime Objects
- Test Objects
- 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

## Audience Profile

This course is for fresh college graduates, testers, developers and business users possessing good soft skills and wanting to work closely with the business users and technical team. Technology background is not required to take this training!

## Benefits

- ✓ Job oriented training;
- ✓ Visual learning;
- ✓ Real world assignments;
- ✓ Recorded sessions;
- ✓ Mock Interviews;
- ✓ Resume preparation;
- ✓ Supporting Materials;
- ✓ Job Support



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#### 4. OBJECT IDENTIFICATION CONFIGURATION

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

#### 5. 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

#### 6. PARAMETERIZATION AND 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

#### 9. AOM METHOD

- Automation Object Model
- Automating Quick Test
- Operations

#### 7. ACTIONS, ENVIRONMENT VARIABLES

- Types of actions
- Non-reusable Actions
- Re-Usable actions
- External Actions
- Creating an Action
- Splitting Actions
- Renaming an Action
- Deleting an Action
- Making an Action Reusable/Non-Reusable
- Calling an existing Action
- Environment Variables
- Built-in Variables
- User Defined Variables
- Defining, modifying and associating environment variables

#### 8. TRANSACTION POINTS, ADDING COMMENTS

- Inserting Trans. Points
- Start Tr. & End Transaction
- Timer Function
- Defining Test Results
- Purpose of Comments
- Comment a Block of Stm.
- Uncomment a Block



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#### 10. RECOVERY SCENARIOS

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

#### 11. BUILT-IN-FUNCTIONS/INSERTING THE PROGRAMMATIC STATEMENTS

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

#### 12. FILE SYSTEM OBJECT

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

#### 4. REGULAR EXPRESSIONS

- Understanding and using regular expressions
- Handling Dynamic objects
- Defining Regular Expressions

#### 14. BATCH TESTING

- Test Batch Runner
- Creating Test Batches
- Providing permissions to Test Batch Runner
- Running Test Batches
- Running Partial Batches

#### FRAME WORKS

- Linear Frame Work
- Modular Frame Work /Reusable actions
- User defined Functions/Keyword driven
- Frame Work
- Data Driven Frame Work
- Hybrid Frame Work

#### 15. 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)

#### 16. INTRODUCTION, QTP SCRIPTING

- QTP Descriptive Programming For QTP Vb Script For QTP
- Test Management Tool From HP (Mercury Interactive)
- Quality Center
- Other Defect Tracking Tools: Bugzilla ;
- MD Tracker