

Aceindus IT Training

QTP Testing

Automation -- QTP 10.0 /UFT 12.5

Introduction to Automation

- What is Automation Testing
- Benefits of Automation Testing
- Manual Testing Vs Automation Testing
- Various Automation Test Tools
- Tool selection criteria

Introduction to QTP10.0/UFT 12.5

- Overview of Quick Test Pro
- Starting Quick Test
- Quick Test Window
- Quick Test Window Layout
- Using Quick Test Commands

Different ways of Developing

Automation Tests

- Recording a test
- Standard Recording
- Analog Recording
- Low Level Recording
- Writing Script
- Descriptive Programming

Working with Test Objects and Object Repositories

- How QTP learns & identifies Objects
- Working with Test Objects
- Object Spy
- Configuring Object Identification
- Smart Identification
- Merging Shared Object Repositories
- Comparing shared objects Repositories
- Associating shared objects a Test Repositories to
- Working with Test objects methods & Properties

VB Script Language Overview

- VB Script Data Types
- VB Script Variables
- VB Script Constants

- Conditional Statements
- Loops
- Select case
- Arrays
- functions

User Defined Functions

- Creating User Defined Functions
- Advantages of Using Functions
- Creating Generic Functions
- Creating Function Libraries
- Associating Function Libraries

Synchronization

- Need of Synchronization
- Different ways of Synchronizing the Tests
- Configuring Default Synchronization Time
- Exist Statement
- Wait Statement
- Synchronizing Point

Checkpoints

- Checkpoint Introduction
- Adding Checkpoints to a Test
- Types of Checkpoints
- Standard Checkpoint
- Image Checkpoint
- Bitmap Checkpoint
- Table Checkpoint
- Text Checkpoint
- Text Area Checkpoint
- Accessibility Checkpoint
- Page Checkpoint
- Database Checkpoint
- XML Checkpoint
- Checkpoints Supported Environment
- Validating the Above Checks through Code

Output Values

- Output Values Introduction
- Different Output Values
- Defining Output Values
- Storing Output Values
- Using Output Values in Script
- Substitute Above Output Code Values through

Transactions

- Purpose
- Inserting Transactions
- Inserting Ending Transactions
- Analyzing Transaction Results

Developing Data Driven Tests

- Introduction to Parameterize Tests
- Parameterize a Test Manually
- Parameterize a Test using Data table
- Parameterize through XML Files, Excel Files, Flat files
- Parameterize Test using Environment Variables
- Data Driven Test
- Create Data Driven Tests
- Local and Global Data Tables

Debugging

- Need of Debugging
- Break Points
- Step Into
- Step Over
- Step Out
- Debug Viewer
- Watch
- Variable
- Command

Recovery Scenarios

- Introduction to Recovery Scenarios
- When to use Recovery Scenarios
- Defining Recovery Scenarios
- Recovery Scenario Manager
- Managing Recovery Scenarios
- Associating Recovery Scenarios to your test

Descriptive Programming

- Introduction to Descriptive Programming
- When to use Descriptive Programming
- Descriptive Programming Approach
- Static Representation
- Dynamic Representation
- Handling Dynamic Objects

- Handling Similar Objects
- Developing Generic Scripts

Environment Variables

- Built-in Environment Variables
- User defined Internal
- User defined External

Automation Frameworks

- Automation Approach
- Planning and Design Frame Work
- Implementation of
- Modularity Framework
- Library Architecture Framework
- Keyword-Driven Framework
- Data-Driven Framework
- Hybrid Framework

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