

QTP/UFT Course Content

Automation -- QTP 11.00/UFT	VB Script Language Overview
What is Automation Testing?	VB Script Data Types
Benefits of Automation Testing	VB Script Variables
Manual Testing Vs Automation Testing	VB Script Constants
Various Automation Test Tools	Conditional Statements
Tool selection criteria	Loops
	Select case
Introduction to QTP 11.00	Arrays
	Functions
Overview of Quick Test Pro	
Starting Quick Test	User Defined Functions
Quick Test Window	
Quick Test Window Layout	Creating User Defined Functions
Using Quick Test Commands	Advantages of Using Functions
	Creating Generic Functions
Different ways of Developing Automation Tests	Creating Function Libraries
	Associating Function Libraries
	Preparing Regression Test Automation Suites
Recording a test	Function Decomposition Implementation
Standard Recording	
Analog Recording	Advanced VB Scripting
Low Level Recording	
Writing Script	Working with Internet Explorer Application
Descriptive Programming	Working with File system Objects
	Working with Data Base Connection
Working with Test Objects and Object Repositories	Working with Record Set Object
	Working with COM Object
How QTP learns & identifies Objects	Working with Word Application Object
Working with Test Objects	Error handling with Err Object
Object Spy	Working with Dictionary Object
Configuring Object Identification	Working with XML Util Object
Smart Identification	Working with QC Util Object
Merging Shared Object Repositories	Working with DOM Object
Comparing shared objects Repositories	WSH Scripting Basics
Associating shared objects Repositories to a Test	Working with Shell
Working with Test objects methods & Properties	
	Synchronization
	Need of Synchronization

Different ways of synchronizing the Tests
Configuring Default Synchronization Time out
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

Working with Actions

Introduction to Actions
Benefits of Actions
Creating Tests with Multiple Actions
Guidelines for working with Actions
Creating new Actions
Insert Actions
Inserting Copy of Actions
Inserting Existing Actions
Splitting Actions
Action Parameters
Test Modularity Implementation
Creating an Action Template
Difference between Reusable Actions
and Functions

Developing Data Driven Tests

Introduction to Parameterize Tests
Parameterize a Test using Data table
Parameterization through XML Files,
Excel Files, Flat Files

Parameterize a Test using Environment
Variables
Data Driven Test
Create Data Driven Tests
Local and Global Data Tables

Regular Expressions

Introduction to Regular Expressions
Defining Regular Expressions
Working with RegExp Object

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
Programmatically Controlling the Recovery
Mechanism

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

Virtual Objects

- Define Virtual Objects
- Manage Virtual Objects

Working with Web Tables AOM Scripts

- Developing Start up Scripts
- Launching QTP
- Setting Tool Options
- Setting Test Options
- Opening a Test
- Running a Test
- Store Results in Required Location
- Closing a Test
- Closing QTP

Scripting in Real-time Environment

- Quick Test Pro Coding Standards & Best Practices
- Naming Conventions
- Coding Rules

Automation Frameworks

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

Working with Quality Center

- Connecting to Quality Center
- Disconnecting from Quality Center
- Integrating Quickest with Quality Center
- Uploading Automation Resources in Quality Center
- Saving Tests into Quality Center
- Opening Tests from Quality Center
- Executing Tests from Quality Center

Additional Coverage

- Utility Objects
- Step Generator
- Function Definition Generator
- Examples & Scenarios Relevant to Major Businesses