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DAY 1

➤ Basics of Automation testing

What is automation testing?

Why automation testing?

When to go for automation testing?

Which test cases to automate?

Tool Selection criteria

Automation lifecycle

➤ Introduction to QTP

Overview of QTP: add-in manager, start page, home page,

Types of recording

QTP test object model

Object class and property

OR identification process: mandatory, assistive, smart identification, ordinal

Object spy

OR: shared, Local

Comparison tool, merge tool

DAY 2

➤ Debug Viewer Overview

Watch, Variable, Command

Step Into

Step Over

Step Out

➤ QTP Reporting

➤ Synchronization

Wait
WaitProperty
Exist
Sync

- Insert Transaction
- Checkpoints
- Output Value

DAY 3

- VB Script Overview:
 - Script overview
 - Data types: one data type variant has subtypes
 - Variable:
Variable declaration:
 - a. Implicit
 - b. Explicit: Dim, Public, Private
Use of Option Explicit statement

Naming restrictions:
 - Constants: Const used to declare constants. Cannot modify
 - Arrays: scalar variable, array variable, can have 60 dimensions
Declare array, create an array, access elements of array
Types of Array: static & dynamic array
Preserve statement
Inbuilt Array functions:Lbound, Ubound, Array(), IsArray, Erase,split
 - Conditional Statement:
If then Else: checks single condition
If then else if: checks multiple conditions
Select Case: checks multiple conditions alternative for If then else if
 - Looping statement:
For...next
For each...next
While....Wend
Do...while Loop
Do....loop While
Do....Until Loop
Do....Loop Until
 - Function &Subprocedure
Difference between sub and function

Call by Ref and call by value
How to create function library

- InBuiltVB Functions:
 - Conversion Functions: Cint, Cstr, Cdate
 - String Functions:
 - Instr
 - InstrRev
 - Lcase
 - Ucase
 - Len
 - Left
 - Right
 - Trim
 - Mid
 - StrComp
 - StrReverse
 - Array related functions:
 - Split
 - Join
 - Date functions:
 - Now, Day, Month, year, hour, minute, second, date

DAY 4

- Working with Actions
 - Introduction to Actions
 - Benefits of Actions
 - Creating Tests with Multiple Actions
 - Creating a New Action
 - Inserting Actions
 - Inserting Copy of Action
 - Inserting Existing Action
 - Splitting Actions
 - Passing parameters between actions
 - Test Modularity Implementation
- Parameterizing Tests and Data Driven Tests
 - Introduction to Parameterizing Tests
 - Parameterizing Tests

- Parameterizing a Test using Data Table
- Parameterizing a Test using Environment Variables
- Data Driven Test
- Create Data Driven Tests
- Local and Global Data Tables
- Working with Data Tables
 - Introduction to Data Tables
 - Working with Global and Action Sheets
 - Editing and Saving Data Table
 - Importing and Exporting Data

DAY 5

- Descriptive Programming
 - Introduction to Descriptive Programming
 - When to use DP
 - How DP works
 - OR versus DP
 - ChildObjects method
 - Pros and Cons of DP
- Virtual Object
- Advanced programming
 - Excel handling Using: COM Object, ADODB Connection
 - Data Dictionary
 - XML Handling
 - File system Object

Day 6

- Exception Handling
 - Overview of exception handling
 - Types of error handling
 - Recovery Scenario:
 - On Error Resume Next (Err object)
- Automation Object Model
- Regular Expressions

DAY 7 & 8

- Frameworks
 - What is framework?
 - Types of Framework
 - Hybrid framework design