

**SOFTCRAYONS**  
Tech Solution Pvt. Ltd



### **Practical Training Program Branch - Ghaziabad, Noida**

- » Graphic Designing
- » Digital Marketing
- » Programming
  - Python - Java - PHP ++
  - C++ - C - Ruby On Rails
  - Perl
- » Android Application
- » Web Designing
- » Sap - ERP - ABAP
  - Erp Basis / Erp-Bi
  - Erp-Bo / CRM/ HR/HCM / MM
  - PP / Controlling / Hana / SCM
  - Finance
- » Networking - CCNA
  - CCNP- MCITP - MCSE
  - Hardware
- » Software testing
  - Manual testing
  - Automation - testing
  - QTP - Selenium
- » CAD- CAM-CAE
  - Autocad for Civil
  - Autocad for Electrical
  - Autocad for Mechanical
  - Catia V5 / Staap PRO/
  - Revit / Revit Structure
  - Revet Architecture / Soliworks
  - PRO E / CREOC(Fr - Designers)
  - 3D Max / Inventor / Ansys / Vray
- » MS Office
- » Tally With GST
- » 1 Angular Js / 2 Angular
  - 3 Angular / 4 Angular
- » Vmware

## **Module-1 QTP Fundamentals**

- Why QTP ?
- When do we use QTP ?
- Which application will we test? Will be doing live applications testing
- Downloading and installing trial version
- Installing addins
- Installing script debugger
- QTP vs. other automation tools
- Advantages/ Disadvantages of QTP
- How much VB scripting is required in QTP?
- Simple Record and Run

## **Module – 2 Basics of QTP**

- Creating a new Test
- Record/Run
- Record and Run settings
- Rules for recording web based applications
- Rules for recording windows based applications
- Run from step and Run to step
- Commenting and uncommenting code
- Changing font size in QTP
- Expert view and Keyword view - Which is better?
- Option Steps
- Slowing down the script execution speed
- Saving the test
- Batch Runner

## **Module - 3**

### **Recording types, Virtual objects**

- What If QTP fails to recognize objects?
- Analog Recording Mode
- Low Level Recording Mode
- Virtual objects and their usage

## **Module - 4**

### **Objects, Object Repository**

- What is an object?
- Object Spy
- Features in Object Spy
- Classification of objects
- Object Repository
- Mapping OR with code and application
- Object hierarchy in Object repository
- Dragging objects
- Object Synchronization and wait
- Adding objects manually in OR
- Adding all objects of page in OR
- Adding selected objects of page
- Finding Object in OR from app
- Finding Object in app from OR
- Storing OR on hard disk
- Local and shared object repository

- Implementing QTP in your project and
- importance of shared repository
- Object repository manager
- Merging object repositories

## **Module – 5 Object Identification**

- Native and Identification Properties
- GetRoProperty - Read Identification properties
- Script to find browser version
- Script to print browser title
- Find number of search results on live applications
- Links
- List box / Multi Select List Box
- Input Box
- Button
- Radio Buttons
- Checkboxes
- Identifying/reading Text from application
- Spy Operations
- Capture screenshot of page
- Capture screenshot of an object like Link, button
- Etc

## **Module – 6 Checkpoints**

- What are checkpoints?
- Active screen
- Concept of step generator
- Standard Checkpoint
- Text checkpoint
- Text area checkpoint
- Bitmap checkpoint
- Database checkpoint
- Accessibility checkpoint
- XML Checkpoint
- Practicality of checkpoints
- Checkpoints in Web tables

## Module – 7 Output Values

- What is output value?
- Standard Output value
- Text Output value
- Text area Output value
- Database Output value
- Checkpoints and output value with Web tables
- Parameter zing output values
- Practicality of checkpoints and output value

## Module – 8 Parameterization

- What is Parameterization
- Dynamic Parameterization
- Data Table Parameterization
- Random Parameterization
- Environment Parameterization

## Module – 9 Recovery Scenarios

- What is recovery scenario manager?
- When do we use Recover scenario in QTP?
- Various phases of recovery scenario
- Handling popups with recovery scenario
- Handling errors with Recovery scenario
- Parameters of the recovery Function
- Enabling conditions of recovery scenario

## Module-10

### VB Scripting Fundamentals

- What is VB? Why VB in QTP ?
- variables and constants
- MsgBox, Input box, vbCRLF
- Running Script
- Concatenation operator
- Managing long Strings
- Run from Step and Run to Step
- Option explicit
- Statements
- While loop, for loop

- Exiting loops
- Debugging Script
- Practical usage of loops in QTP
- Creating/Executing VB scripts in QTP
- Creating/Executing VB scripts in notepad

## **Module - 11**

### **Actions, Function Libraries**

- What Is action?
- Exit Action
- Multiple Actions in Test
- Shared OR of the Actions
- What are reusable actions
- Creating and calling a reusable action
- Local Functions
- Library Functions
- Practical usage of function libraries
- When to use reusable actions and when to use function libraries
- Split Action

## **Part-2 Advanced QTP Descriptive Programming**

### **Module - 12**

#### **Working without OR, Handling Web tables**

- Working without Object repository
- Why/When to work without OR
- Counting total open browsers
- Closing all open Browsers
- Identifying object with single/multiple properties without using OR
- What if 2 objects have same Properties
- Working with Links opening in new tab
- Type of Descriptive Programming
- Dynamic and Static Programming
- Description .Create

## **Module - 13**

### **Functions and Objects in VB**

- Arrays, Dim
- Redim and arrays
- Sub, Option explicit
- Sat Statement
- Using Inbuilt VB Functions
- User Define Function
- Type Conversion functions
- Date and Time functions
- Comparing dates
- Formatting dates
- String manipulation functions
- Practical usage of functions in QTP
- On error resume next
- Methods and Properties of Err Object

## **Module - 14**

### **Descriptive programming using VB**

- Counting all the objects in a page
- How does QTP extracts objects
- Extracting all the objects and printing properties of objects
- What is Micclass
- Extracting all links of page and printing their names
- When do we use descriptive programming and bulk object extraction
- Unique properties and similar objects
- Extracting specific objects
- Descriptive programming and various web components
- Finding all result links after searching on Live Applications
- Exercise on online applications(Google,Gmail,Yahoo and Facebook)
- Navigating through Pagination links

## **Module - 15**

### **Descriptive Programming/VB continued**

- Objects inside objects
- Count Child Object
- Finding Objects which do not have Unique properties

- Login Text Fields in any live applications
- Closing all open Browsers
- Using regular expressions in descriptions
- Using Regex to Handle dynamically changing
- Object

## **Module - 16**

### **Descriptive programming/VB - Testing Links**

- Extracting links and clicking them one by one
- How to find if link is broken
- Testing Pagination Links

## **Module - 17**

### **Reports , To Property and ROProperty, Object validation**

- Various Test Status-Pass, Fail, Done, Warning
- Reporter Object
- Reporter .report event
- Properties and Methods of reporter object
- Marking test case fail/pass
- Difference between TO Property and RO property
- Comparing RO and TO properties
- Reporting RO and TO properties validation in reports
- using a dictionary object

## **Module - 18**

### **Data table/XL file handling**

- Why data table
- What is data table object
- Local and global sheets
- Global Sheet - Reading/writing data
- Local Sheet - Reading/writing data
- Adding custom sheets in data table
- Run Time Data table
- Adding columns through script
- Importing xls sheet data into data table sheet
- Importing complete xls file in data table
- Exporting sheet from xls file
- Exporting complete data table to xls file
- Counting Rows and Column in Data table

## Module - 19

### Handling XLS files with VB script

- Why do we need Xls file handling?
- VB script to create xls file
- Opening existing xls file
- FileSystemObject object methods and properties
- VB script to find if XLS file is existing
- Overriding an existing file
- Adding sheet / Deleting sheets
- Counting number of rows/column in a sheet
- Reading from XLS File
- Writing in XLS File
- Determining if sheet/column is existing
- Copying contents of one sheet to another
- Comparing contents of 2 sheets
- Concept of function library
- Creating custom Xls Functions and storing them in
- VBS File
- Preparing custom functions to read, write, delete and
- add sheets/cells/columns

## Module - 20

### Dictionary Object, File Handling(FSO) in VB

- What is Dictionary Object in VB
- Methods and Properties of Dictionary Object
- What is FileSystemObject
- FileSystemObject object methods and properties
- Reading, Writing, Creating, Deleting files
- Creating files Using FSO
- Writing files Using FSO
- Reading Files Using FSO
- Files Collection - Handling multiple files
- Folders Collection - Handling multiple folders
- Random Number generation

## Module - 21

### QC connection with QTP

- What is QC
- QC Addin
- QC Test Plan
- QC Test Resources





**Get in Touch**  
**8545012345**

- QC Test Lab
- Saving a Test in QC
- Adding Test to QC Test Set
- Executing QTP test through QC
- Batch execution of tests

## Deployment

1. Deploying using Github
2. Angular2 Hosting Options
3. Hosting Angular App on cloud server Heroku

## Batch Timings –

Days	Class Duration	Course Duration
Monday-Friday	2 Hours	1 Month
Saturday & Sunday	3 Hours	1.5 Months
Sunday	4 Hours	2 Months

Regards,

SoftCrayons Tech Solutions  
8545012345 | 0120- 426223  
hr@ SoftCrayons.com  
[www.softcrayons.com](http://www.softcrayons.com)