

QTP - AUTOMATION OBJECT MODEL

Automation Object Model:

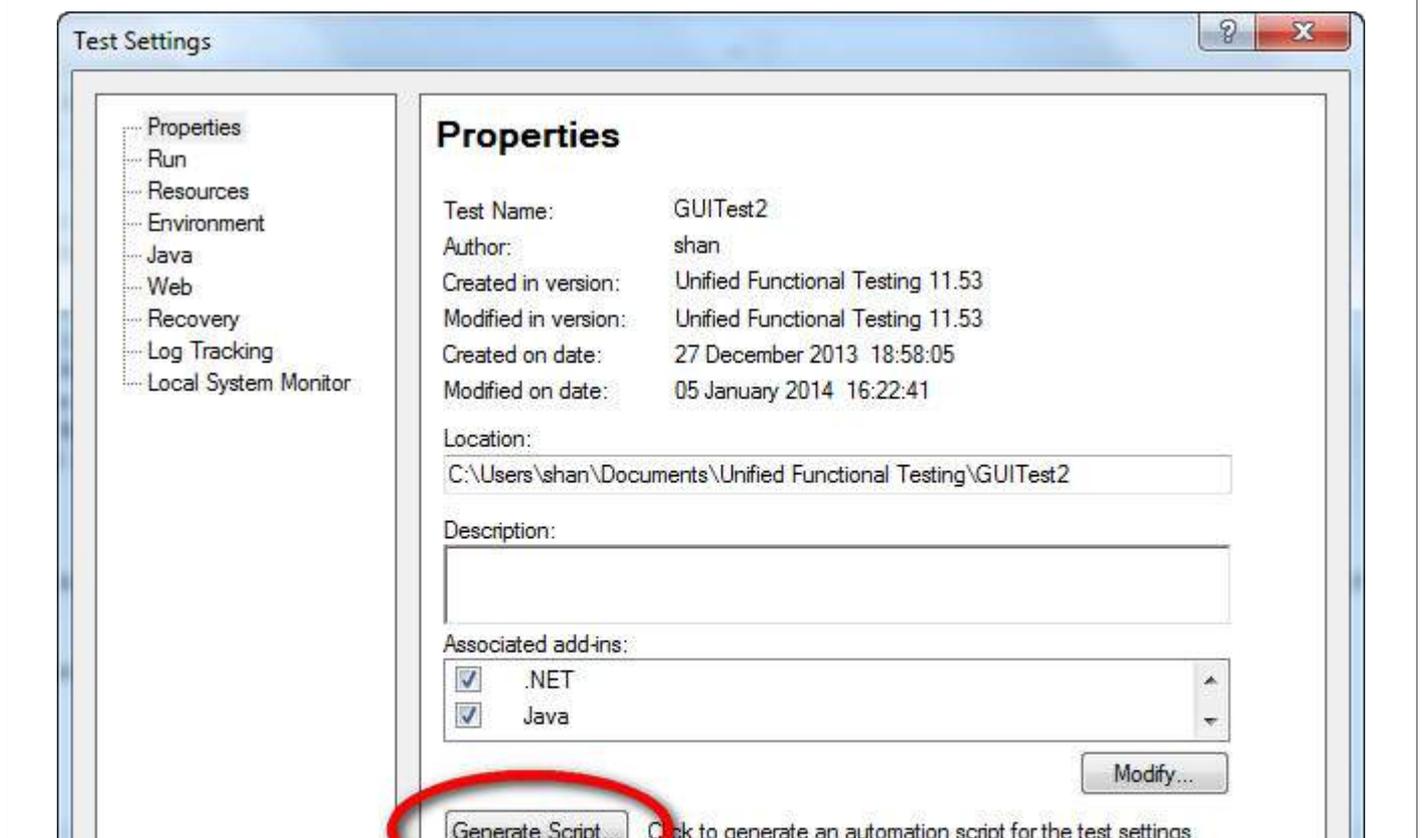
QTP itself can be automated using the COM interface that is provided by Hp-QTP. Automation object model is a set of objects, methods, and properties that helps testers to control the configuration settings and execute the scripts using the QTP interface. The Key Configurations/actions that can be controlled are listed below but not limited to

- Loads all the required add-ins for a test
- Makes QTP visible while execution
- Opens the Test using the specified location>
- Associates Function Libraries
- Specifies the Common Object Sync Time out
- Start and End Iteration
- Enable/Disable Smart Identification
- On Error Settings
- Data Table Path
- Recovery Scenario Settings
- Log Tracking Settings

QTP 11.5x provides an exclusive documentation on Automation Object model that can be referred by navigating to "Start" >> "All Programs" >> "HP Software" >> "HP Unified Functional Testing" >> "Documentation" >> "Unified Functional Testing Automation Reference"

Generate AOM Script:

Tester can generate AOM Script from QTP itself using "Generate Script" Option. Navigate to "Run" >> "Settings" >> "Properties" Tab >> "Generate Script" as shown below:





Example

```
' A Sample Script to Demonstrate AOM
Dim App 'As Application
Set App = CreateObject("QuickTest.Application")
App.Launch
App.Visible = True

App.Test.Settings.Launchers("Web").Active = False
App.Test.Settings.Launchers("Web").Browser = "IE"
App.Test.Settings.Launchers("Web").Address = "http://easycalculation.com/"
App.Test.Settings.Launchers("Web").CloseOnExit = True

App.Test.Settings.Launchers("Windows Applications").Active = False
App.Test.Settings.Launchers("Windows Applications").Applications.RemoveAll
App.Test.Settings.Launchers("Windows Applications").RecordOnQTDescendants = True
App.Test.Settings.Launchers("Windows Applications").RecordOnExplorerDescendants = False
App.Test.Settings.Launchers("Windows Applications").RecordOnSpecifiedApplications = True

App.Test.Settings.Run.IterationMode = "rngAll"
App.Test.Settings.Run.StartIteration = 1
App.Test.Settings.Run.EndIteration = 1
App.Test.Settings.Run.ObjectSyncTimeOut = 20000
App.Test.Settings.Run.DisableSmartIdentification = False
App.Test.Settings.Run.OnError = "Dialog"

App.Test.Settings.Resources.DataTablePath = ""
App.Test.Settings.Resources.Libraries.RemoveAll

App.Test.Settings.Web.BrowserNavigationTimeout = 60000
App.Test.Settings.Web.ActiveScreenAccess.UserName = ""
App.Test.Settings.Web.ActiveScreenAccess.Password = ""

App.Test.Settings.Recovery.Enabled = True
App.Test.Settings.Recovery.SetActivationMode "OnError"
App.Test.Settings.Recovery.Add "D:\GUITest2\recover_app_crash.qrs",
"Recover_Application_Crash", 1
App.Test.Settings.Recovery.Item(1).Enabled = True

.....
' System Local Monitoring settings
.....
App.Test.Settings.LocalSystemMonitor.Enable = false
.....
' Log Tracking settings
.....
With App.Test.Settings.LogTracking
    .IncludeInResults = False
    .Port = 18081
    .IP = "127.0.0.1"
    .MinTriggerLevel = "ERROR"
    .EnableAutoConfig = False
    .RecoverConfigAfterRun = False
    .ConfigFile = ""
    .MinConfigLevel = "WARN"
End With
```