

INFO 6255: Quality Assurance

Steps to install UFT

Link: <https://www.microfocus.com/en-us/products/unified-functional-automated-testing/free-trial>

The image shows two screenshots of the Microfocus website. The top screenshot is the 'Unified Functional Testing (UFT) Functional Test Automation Software' registration page. It features a blue header with the product name and a white registration form on the right. The form includes fields for First name, Last name, Email, Password, Phone, and Company name, along with a 'Your role' dropdown. A 'Register for Free Trial' button is at the bottom of the form. The bottom screenshot is the 'MyAccount' portal. It shows a navigation menu with 'PRODUCTS', 'SUPPORT', 'USERS', and 'EXPLORE'. The 'PRODUCTS' section is active, displaying a list of products including Service Level Management (SLM), ACUCOBOL-GT, ALM Octane, ALM Software, Access Manager, Access Review, AccuRev, Acu4GL, AcuConnect, AcuSQL, AcuServer, AcuToWeb, AcuXDBC, Acubench, Adoption Readiness Tool, and Advanced Authentication. The user's name 'Northea... Mohan' is visible in the top right corner.

Unified Functional Testing (UFT)
Functional Test Automation Software
Make automated testing more efficient and help developers and testers collaborate.

Your Trial Includes:

- The complete set of features in UFT that allow testing a range of application types across Browsers, Mobile Platforms, APIs, ERP applications and other Desktop application technologies
- UFT includes LeanFT and the same evaluation license can be used to see which solution best fits your needs
- No contract or credit card required
- 60-day Free Trial

Register for Free Trial
No Credit Card Required

First name Last name

Email

Password

Phone

Company name

Your role

MyAccount
PRODUCTS SUPPORT USERS EXPLORE

ALL PRODUCTS
Trials / Freemiums
Purchases

There are no products found. Check what great products we have.

All Products On [software.microfocus.com](https://www.microfocus.com)

Search Product

Service Level Management (SLM)
ACUCOBOL-GT
ALM Octane
ALM Software
Access Manager
Access Review
AccuRev
Acu4GL
AcuConnect
AcuSQL
AcuServer
AcuToWeb
AcuXDBC
Acubench
Adoption Readiness Tool
Advanced Authentication

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The screenshot shows the Micro Focus website for the Unified Functional Testing (UFT) Free Trial. The page has a blue header and a white main content area. The title "Unified Functional Testing (UFT) Functional Test Automation Software" is prominently displayed. Below the title, a sub-header reads "Make automated testing more efficient and help developers and testers collaborate." A large white box on the right side of the page contains the text "Free Trial is Ready" and a blue "Begin Trial" button. On the left, under the heading "Your Trial Includes:", there is a bulleted list of features. The browser's address bar shows the URL "https://www.microfocus.com/en-us/products/unified-functional-automated-testing/free-trial". The Windows taskbar at the bottom shows the search bar and several open applications.

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Free Trial is Ready

[Begin Trial](#)

[Chat](#)

The screenshot shows the Micro Focus website for the Unified Functional Testing (UFT) Free Trial, specifically the "Congratulations" page. The page has a blue header and a white main content area. The title "Congratulations" is prominently displayed. Below the title, a sub-header reads "You are one step closer to becoming nimble with Unified Functional Testing (UFT). Please go to MyAccount to get started." A blue "Go to my Account" button is centered below the text. The browser's address bar shows the URL "https://www.microfocus.com/en-us/products/unified-functional-automated-testing/try-success". The Windows taskbar at the bottom shows the search bar and several open applications.

Micro Focus

[Contact Us](#)

Congratulations

You are one step closer to becoming nimble with **Unified Functional Testing (UFT)**. Please go to MyAccount to get started.

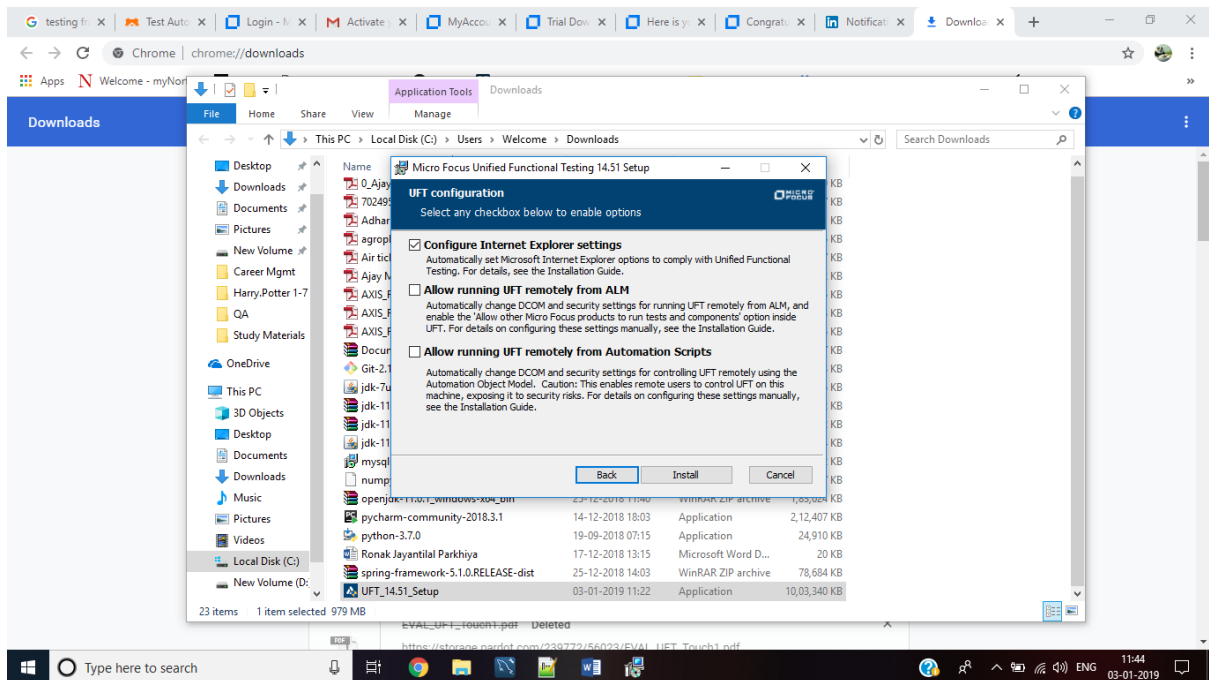
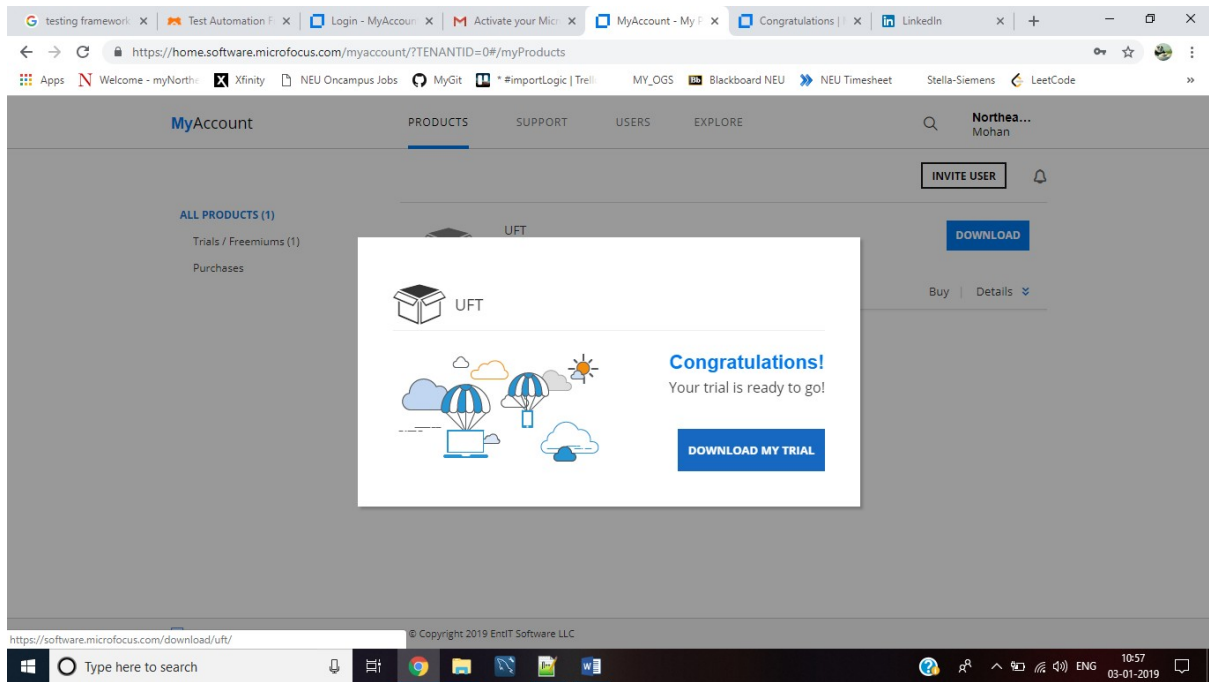
[Go to my Account](#)

[Discover](#) [Resources](#) [Company](#) [Legal & Compliance](#)

[Products](#) [Log In](#) [About](#) [Privacy Policy](#)


[English](#) [Chat](#)

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Unified Functional Testing

 **License Warning**

The software license in use will expire in 60 days.
To continue using Unified Functional Testing once this license expires, you must install a valid license.
Click Continue to work with current license.


[Click here to get help on license related issues](#)

Install License

Continue

Cancel

Micro Focus Unified Functional Testing - Add-in Manager



License: DEMO

Select add-ins to load:

Add-in	License
<input type="checkbox"/> ActiveX	Licensed
<input checked="" type="checkbox"/> Mobile	Licensed
<input checked="" type="checkbox"/> UI Automation	Licensed
<input checked="" type="checkbox"/> Visual Basic	Licensed
<input checked="" type="checkbox"/> Web	Licensed

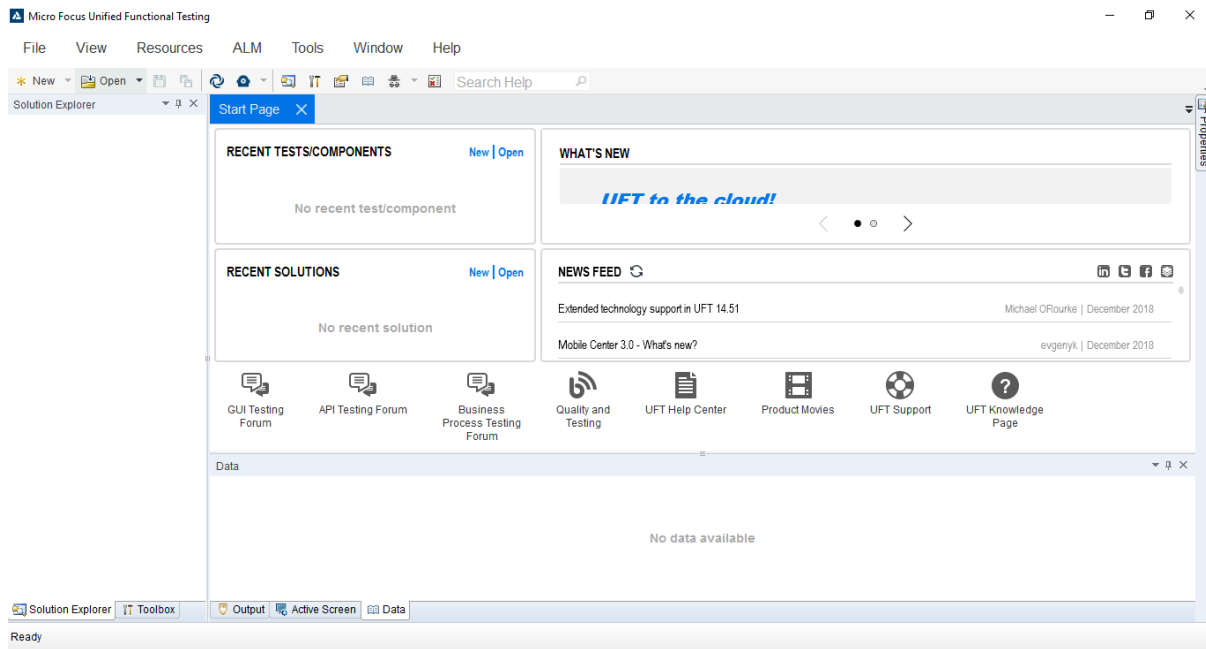
For optimal performance and object identification reliability, select only the add-ins you need.

☒ Show on startup

OK

Cancel

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Guide to install UFT Connection Agent on MAC

The UFT Connection Agent is a service installed on your Apple Mac computer, which enables UFT to communicate with the Safari browser using the WebSockets protocol. This enables UFT to run tests on Web applications running in Safari on the Mac and to spy on objects in these applications.

Perform the following steps to install the UFT Connection Agent:

Prerequisites:

- You must have administrator permissions to install the UFT Connection Agent.
- All Mac users that use the UFT Connection Agent must have the agent installed in their Mac user account.

To run the installation:

1. Copy the installer image file (**UFTConnectionAgent.dmg**) from the **<UFT installation folder>/Installations/Safari** folder to the Mac.
2. Open the **UFTConnectionAgent.dmg** image file.
3. Double-click **UFT Connection Agent.pkg** to start the installation wizard. If you are prompted to install the extension from the Safari Extensions Gallery, click **Cancel**.

If you are working with Safari 11 or earlier, this installs both the UFT Connection Agent and the Unified Functional Testing Agent Safari extension. On later versions of Safari, follow the steps below, to install the Safari extension.

4. If you are working with Safari 12:

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1. Unpack the **UFTConnectionAgent.dmg** image file and save the **SafariUFT.safariextension** file from the package to your Mac.
(**UFTConnectionAgent.dmg: Micro Focus UFT Connection Agent Installation\UFT Connection Agent.pkg\Payload\SafariUFT.safariextz\SafariUFT\SafariUFT.safariextension**).
2. In Safari, add the **SafariUFT.safariextension** file (**Develop-> Show Extension Builder->Add Extension**).
- c. Locate **Run the Functional Testing Agent** in the list of Safari extensions (**Safari->Preferences-> Extension**) and run it.

Note: You need to run the agent again any time you close and reopen Safari and want to use the testing agent again.

Links for MAC users

Run HP UFT on MAC using Safari

<https://testguild.com/uft-gui-mac-using-safari/>

Install agent

https://admhelp.microfocus.com/uft/en/14.50-14.53/UFT_Help/Content/Addins_Guide/Remote_Connection_AgentOnMac_Task.htm#mt-item-0

VB scripting

Basically, all scripting languages are programming languages. The theoretical difference between the two is that scripting languages do not require the compilation step and are rather interpreted. For example, normally, a C program needs to be compiled before running whereas normally, a scripting language like JavaScript or PHP need not be compiled.

Generally, **compiled programs run faster than interpreted programs** because they are first converted native machine code. Also, compilers read and analyze the code only once, and report the errors collectively that the code might have, but the interpreter will read and analyze the code statements each time it meets them and halts at that very instance if there is some error.

Applications of Scripting Languages :

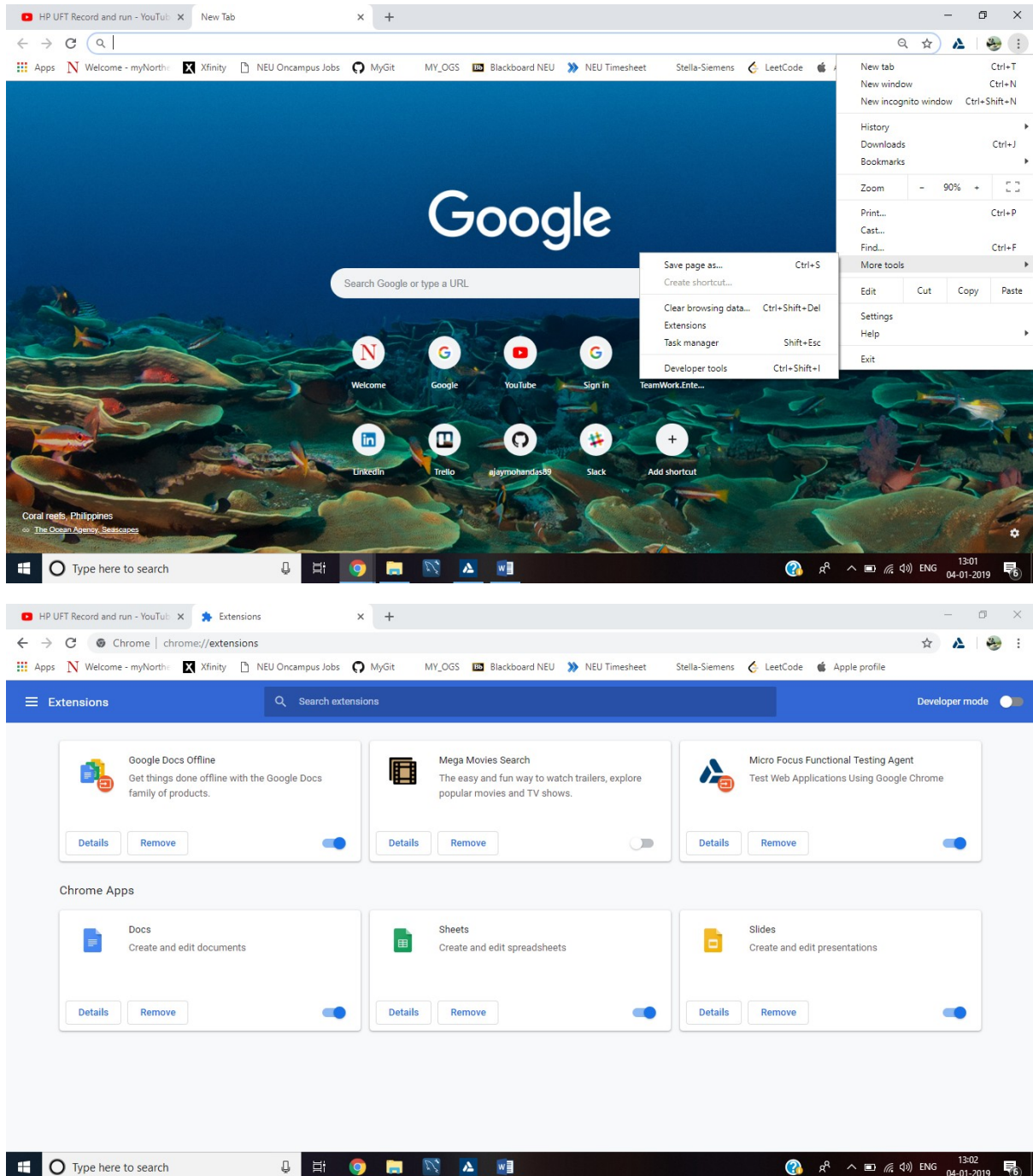
1. To automate certain tasks in a program
2. Extracting information from a data set

Basics of UFT

Link: <https://www.youtube.com/watch?v=ZA40vb7tI28>

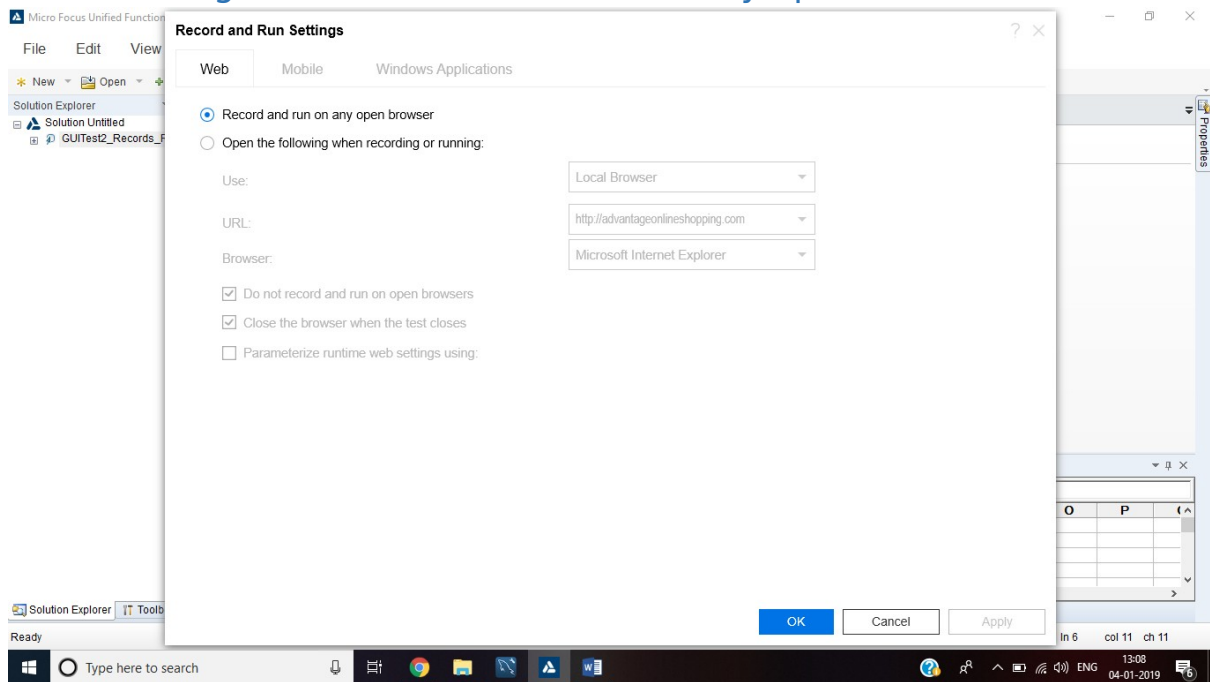
Module 1: Record and run

Pre-requisite: Before using any browser make sure to enable Microfocus testing agent.



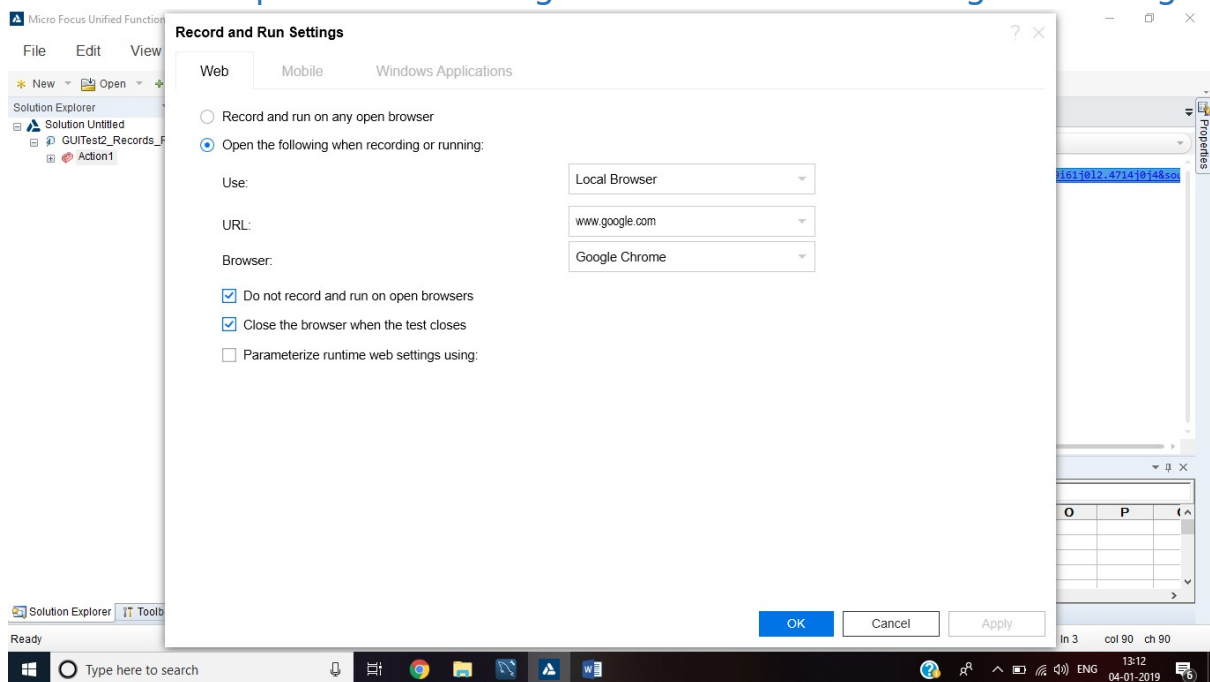
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Test 1: Using Web- Records and run on any open browser



```
SystemUtil.Run "C:\Users\Welcome\AppData\Roaming\Microsoft\Internet Explorer\Quick Launch\
User Pinned\TaskBar\Google Chrome.lnk", "", "", ""
Browser("Google").Navigate "https://www.youtube.com/"
Browser("Google").Page("YouTube_2").WebEdit("Search").Set "hp uft"
Browser("Google").Page("YouTube_2").WebEdit("Search").Submit
Browser("Google").Page("YouTube_2").Link("HP UFT Record and run").Click
```

Test2: Web- Open the following browser when recording or running



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```
Browser("Google").Page("Google").Sync
Browser("Google").Navigate "https://www.google.com/search?
q=hp+uft&rlz=1C1SQL_enIN810IN810&oq=hp+uft&aqs=chrome..69i57j69i60l2j69i61j0l2.4714j0j4&
sourceid=chrome&ie=UTF-8"
Browser("Google").Page("hp uft - Google Search").Link("Automated Testing, Unified").Click
```

Test 3: Object spy

How UFT works?

UFT works as object, properties and values:

Board is object,

Its properties are height, width, color

Values of each property are 10, 10, white

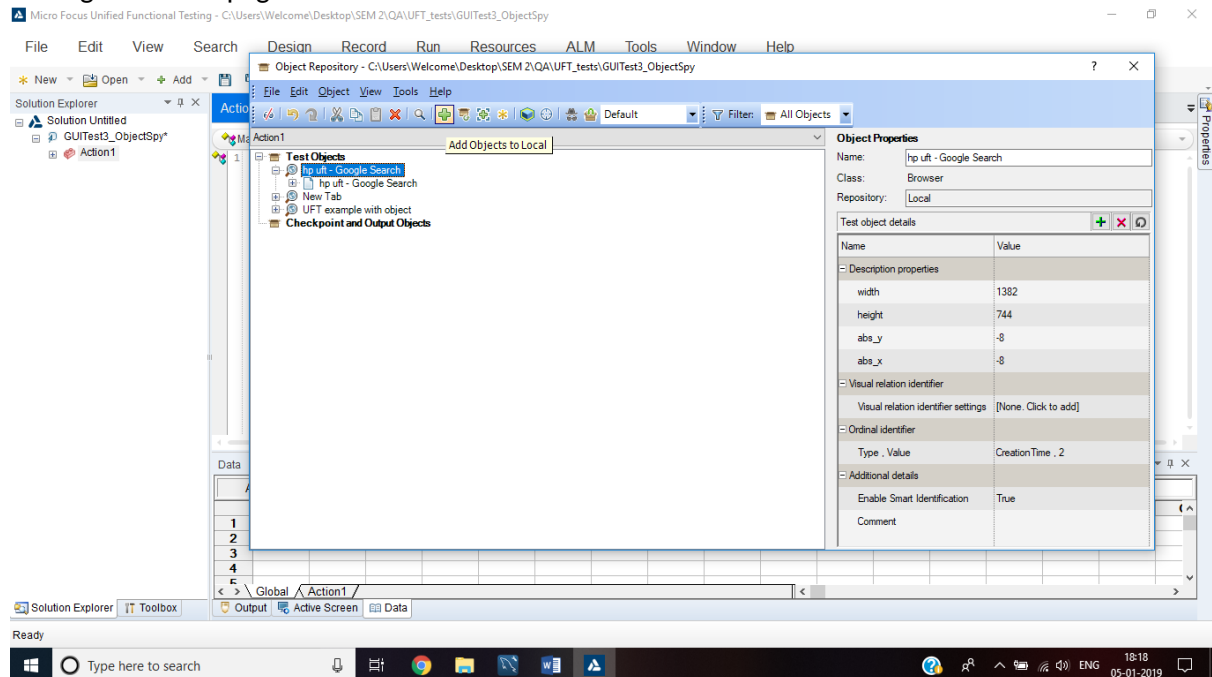
UFT does not store the object in the memory but its references/description i.e the property-value in the memory and recognizes the object. The place where UFT stores these references are object repository.

Object Identification helps UFT to capture the properties of an object. It is present in Tools → Object Identification

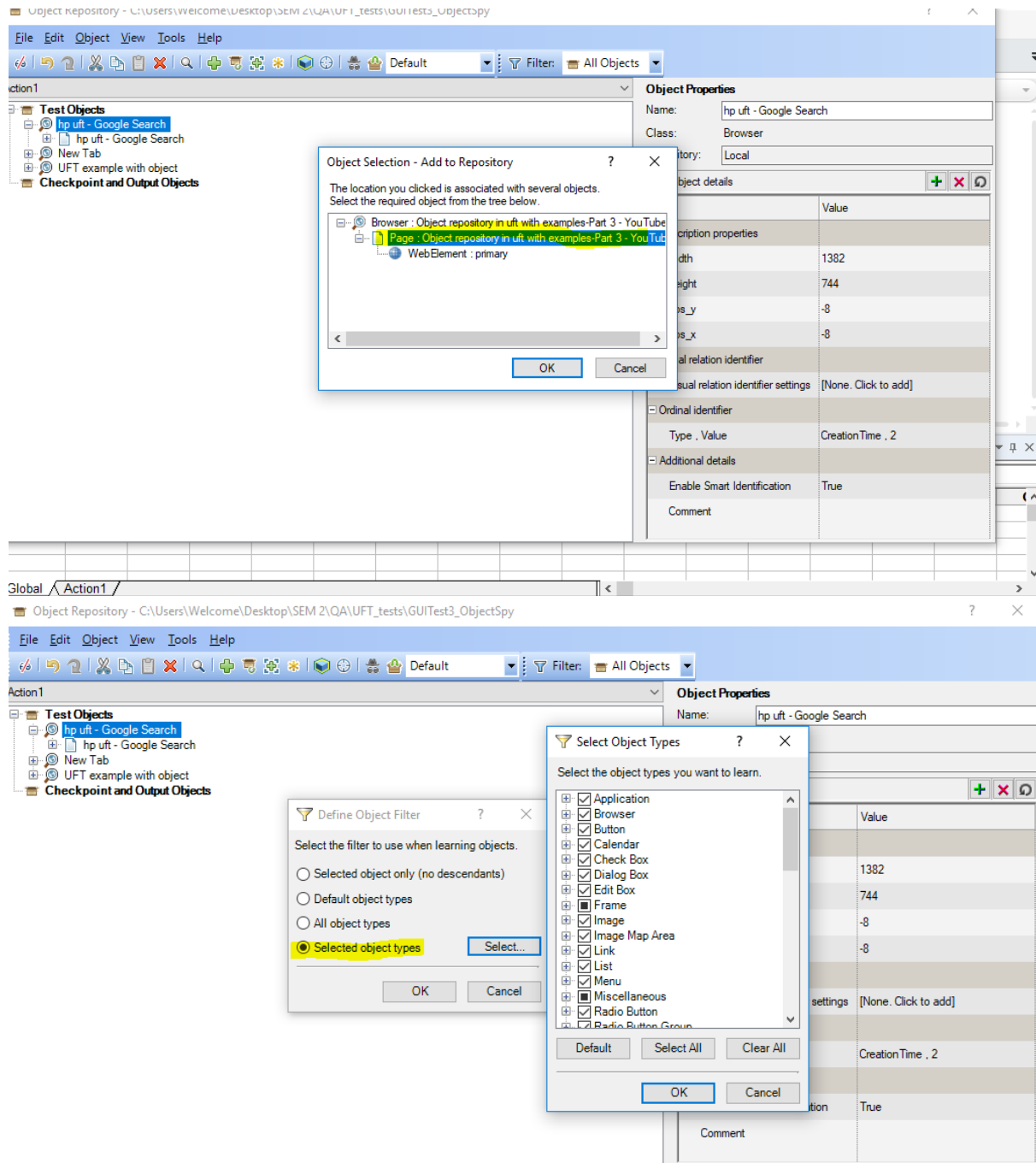
If all properties are selected then size of the file also increases hampering the performance of the script.

Note: Make sure the window/application you want to spy should be open and use object spy.

Adding the whole page of website:



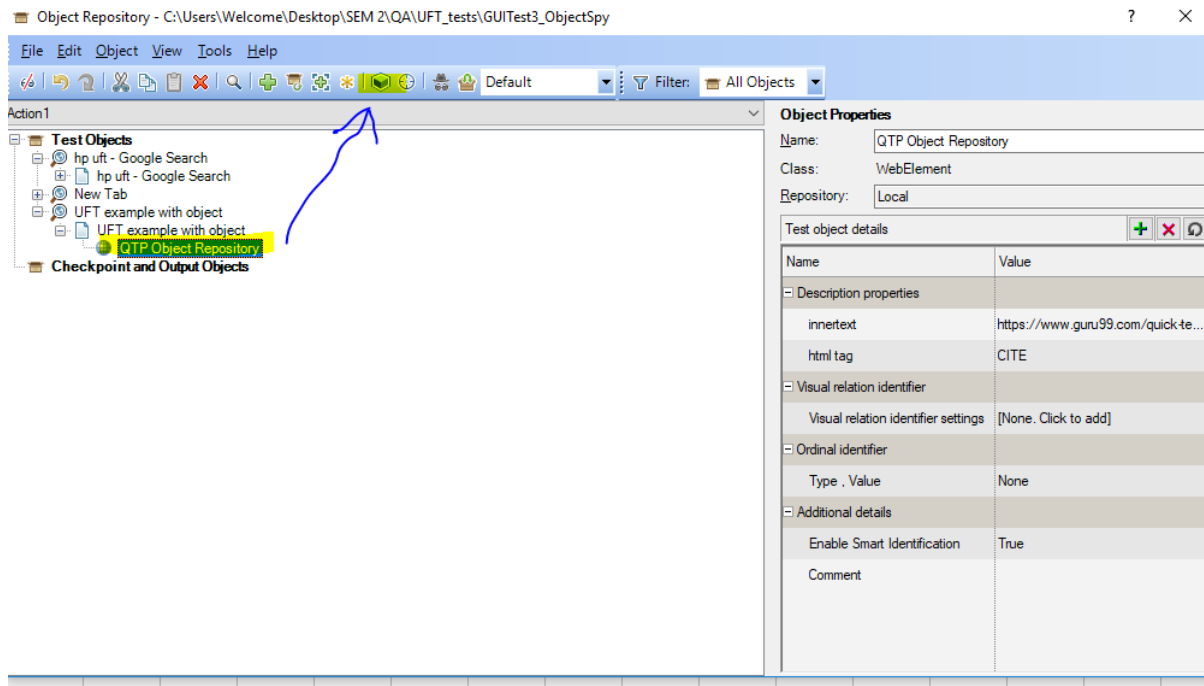
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Note: If you select "All object types" then all objects will be added to the repository

To search if the object has changed its location use 'highlight' option:

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Test 4: Opening file in vbscript

filePath = "C:\Users\Welcome\Desktop\SEM 2\QA\TestData.xlsx"

Set xlApp = **CreateObject**("Excel.Application")

xlApp.DisplayAlerts = **False**

Set xlWb = xlApp.WorkBooks.Open(filePath)

Set sheet1 = xlWb.Sheets(1)

rowCount = sheet1.UsedRange.Rows.Count

columnCount = sheet1.UsedRange.Columns.Count

MsgBox sheet1.cells(2,1)

Set xlApp= **nothing**

Set xlWb = **nothing**

Set sheet1 = **nothing**

Module 2

Checkpoints in UFT

Video link: <https://www.youtube.com/watch?v=e4CtPAdbL-M>

Web link: <https://www.guru99.com/quick-test-professional-qtutorial-13.html>