

VBA Automated-File-Download-Procedure

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'Starting Procedure

Option Explicit

Dim ch As selenium.ChromeDriver

Sub webtest()

Dim FINDBY As New selenium.By

Set ch = New selenium.ChromeDriver

' ch.Timeouts.ImplicitWait = 50000

'Go to URL through Automated experience (Web scraping)

ch.Start baseUrl:="https://www.faadamt.com"

ch.Get "/"

ch.Window.Maximize

'Log into the website

```
ch.FindElementByClass("tuft").SendKeys "Staff"
```

```
ch.FindElementByClass("tuft2").SendKeys "****"
```

```
ch.FindElementByClass("loginbt").Click
```

‘ By-passing the webpage Continuous Load time.

```
Dim tabl As selenium.WebElement
```

```
Dim search As selenium.WebElement
```

```
'Set search = ch.FindElementByCss("body > div:nth-child(2) >  
div > form > input[type=submit]")
```

```
On Error Resume Next
```

```
Do While ch.FindElementByCss("body > div:nth-child(2) > div >  
form > input[type=submit]") Is Nothing
```

```
DoEvents
```

```
Loop
```

On Error GoTo 0

Set tabl = ch.FindElementByTag("table")

ThisWorkbook.Worksheets(1).Range("B1").CurrentRegion.Borders.Value = 1

End Sub

‘Looping through each Table row item on the website, copying it back into excel

Sub proc(process As selenium.WebElement)

Dim AllRows As selenium.WebElements

Dim SingleRow As selenium.WebElement

Dim AllRowCells As selenium.WebElements

Dim singlecell As selenium.WebElement

Dim outputsheet As Worksheet

Dim rownum As Long, colnum As Long

Dim targetcell As Range

Dim videol As selenium.WebElements

Set outputsheet = ThisWorkbook.Worksheets.Add

Set AllRows = process.FindElementsByTag("tr")

For Each SingleRow In AllRows

rownum = rownum + 1

Set AllRowCells = SingleRow.FindElementsByTag("td")

If AllRowCells.Count = 0 Then

Set AllRowCells = SingleRow.FindElementsByTag("th")

End If

For Each singlecell In AllRowCells

'For Each singlecell In AllRows

colnum = colnum + 1

Set targetcell = outputsheet.Cells(rownum, colnum)

targetcell.Value = singlecell.Text

Set videol = singlecell.FindElementsByTag("a")

If videol.Count > 0 Then

targetcell.Hyperlinks.Add targetcell,
videol(1).Attribute("href")

End If

Next singlecell

colnum = 0

Next SingleRow

End Sub

‘Start the download process when given specific links to download.

Option Explicit

'#If VBA7 Then

Private Declare PtrSafe Function URLdownloadtofile Lib
"Urlmon" Alias "urldownloadtofileA" (_

ByVal pcaller As LongPtr, ByVal szURL As String, _

ByVal szfilename As String, _

ByVal dwreserved As LongPtr, _

ByVal lpfnCb As LongPtr) As LongPtr

'#Else

'Private Declare Function URLdownloadtofile Lib "urlmon" Alias
"urldownloadtofileA" (_

```
'ByVal pcaller As Long, ByVal szURL As String, _  
'ByVal szfilename As String, _  
'ByVal dwreserved As Long, _  
'ByVal lpfn cb As Long) As Long  
'#End If
```

```
Sub downloadfile()  
Dim fileurl As String  
Dim destinationfile As String  
'Dim ch As selenium.WebElement  
'ch.FindElementByCss ("#download-edited")  
fileurl =  
"https://www.faadamt.com/attachm/553edcddd69020ed84d7e  
c8371462c85/1.pdf"  
destinationfile = "C:\VBA\VBA Download.zip"  
  
URLdownloadtofile 0, fileurl, destinationfile, 0, 0  
  
End Sub
```