

Subflows

Main

Subflow\_1

1

Aa

Read from CSV file

Load CSV table from file 'C:\[redacted].csv' into 'CSVTable'

2

{x}

Set variable

Assign to variable 'NewVar' the value '[]'

3

{x}

Set variable

Assign to variable 'NewVar' ['CSVTable'] the value 'CSVTable'

4

JS

Convert custom object to JSON

Convert custom object 'NewVar' to JSON 'CustomObjectAsJson'

5

JS

Convert JSON to custom object

Convert JSON 'CustomObjectAsJson' to custom object 'JsonAsCustomObject'

6

Launch Excel

Launch Excel with a blank document using an existing Excel process and store it into Excel instance 'ExcelInstance'

7

Launch new Microsoft Edge

Launch Microsoft Edge, navigate to 'https://www.opensanctions.org/' and store the instance into 'Browser'

8

For each

CurrentItem in JsonAsCustomObject .CSVTable

9

Populate text field on web page

Populate text field 'input search Search' with 'CurrentItem .NAME' using emulated typing

10

Click UI element in window

Click on UI element 'Button Search'

11

Wait for web page content

Wait for text 'Data current as of' to appear on web page

12

Get current date and time

Retrieve the current datetime and store it into 'CurrentDateTime'

13

Convert datetime to text

Convert datetime 'CurrentDateTime' to text using format 'dd-MM-yyyy' and store it into 'FormattedDateTime'

14

Create folder

Create folder 'FormattedDateTime' into 'C:\[redacted]'

15

If window contains

If UI element 'Text fade alert warning show' doesn't exist in window

16

Run subflow

Subflow\_1

17

Else

18

Get current date and time

Retrieve the current datetime and store it into 'CurrentDateTime2'

19

Convert datetime to text

Convert datetime 'CurrentDateTime2' to text using format 'dd-MM-yyy HH mm ss' and store it into 'FormattedDateTime2'

20

Take screenshot

Take a screenshot of the entire screen and save it to '[NewFolder .FullName\ CurrentItem .NAME\ FormattedDateTime2 .png]'

21

Add item to list

Add item 'CurrentItem .NAME' to list 'NoMatchList'

22

Get details of web page

Get the 'Web browser's current URL address' and store it into 'NoHitsWebPageURL'

23

Add item to list

Add item 'NoHitsWebPageURL' to list 'NoHitsWebPageList'

24

End

25

Go to web page

Navigate to 'https://www.opensanctions.org/'

26

End

27

Add new worksheet

Add a new worksheet named 'NameWithMatches' to the Excel document in instance 'ExcelInstance'

28

Write to Excel worksheet

Write the value 'NameWithMatches' into cell in column 'A' and row 1 of the Excel instance 'ExcelInstance'

29

Write to Excel worksheet

Write the value 'PossibleMatchList' into cell in column 'A' and row 2 of the Excel instance 'ExcelInstance'

30

Write to Excel worksheet

Write the value 'ReturnSearchMainPage' into cell in column 'B' and row 1 of the Excel instance 'ExcelInstance'

31

Create new data table

Create a new data table and store it into 'CombinedMainWebPageListTable'



1	<div><div><div></div><div></div></div><div><div>Add item to list</div><div>Add item <code>CurrentItem .NAME</code> to list <code>PossibleMatchList</code></div></div></div>
2	<div><div><div></div><div></div></div><div><div>Add new worksheet</div><div>Add a new worksheet named <code>CurrentItem .NAME</code> to the Excel document in instance <code>ExcelInstance</code></div></div></div>
3	<div><div><div></div><div></div></div><div><div>Clear list</div><div>Clear list <code>MainWebPageList</code></div></div></div>
4	<div><div><div></div><div></div></div><div><div>Get details of web page</div><div>Get the <code>Web browser's current URL address</code> and store it into <code>FirstWebPageURL</code></div></div></div>
5	<div><div><div></div><div></div></div><div><div>Add item to list</div><div>Add item <code>FirstWebPageURL</code> to list <code>MainWebPageList</code></div></div></div>
6	<div><div><div></div><div></div></div><div><div>Get current date and time</div><div>Retrieve the current datetime and store it into <code>CurrentDateTime2</code></div></div></div>
7	<div><div><div></div><div></div></div><div><div>Convert datetime to text</div><div>Convert datetime <code>CurrentDateTime2</code> to text using format 'dd-MM-yyy HH mm ss' and store it into <code>FormattedDateTime2</code></div></div></div>
8	<div><div><div></div><div></div></div><div><div>Take screenshot</div><div>Take a screenshot of the entire screen and save it to <code>NewFolder .FullName\ 'CurrentItem .NAME' MainPageWindowScreenshot 'FormattedDateTime2 .png'</code></div></div></div>
9	<div><div><div></div><div></div></div><div><div>Take screenshot of web page</div><div>Capture the entire web page and store the captured image in file <code>NewFolder .FullName\ 'CurrentItem .NAME' MainWebPageScreenshot 'FormattedDateTime2 .png'</code></div></div></div>
10	<div><div><div></div><div></div></div><div><div>Extract data from web page</div><div>Extract single value from web page and store it in <code>LastItemCount</code></div></div></div>
11	<div><div><div></div><div></div></div><div><div>Extract data from web page</div><div>Extract single value from web page and store it in <code>InterimItemCount</code></div></div></div>
12	<div><div><div></div><div></div></div><div><div>Convert text to number</div><div>Convert text <code>LastItemCount [0][0]</code> to number and store it into <code>LastItemNumber</code></div></div></div>
13	<div><div><div></div><div></div></div><div><div>Crop text</div><div>Get text before the specified flag ' of ' from text <code>InterimItemCount [0][0]</code> and store it into <code>CroppedText</code> and if the flag is found or not into <code>IsFlagFound</code></div></div></div>
14	<div><div><div></div><div></div></div><div><div>Convert text to number</div><div>Convert text <code>CroppedText</code> to number and store it into <code>InterimNumber</code></div></div></div>
15	<div><div><div></div><div></div></div><div><div>Loop condition While ( <code>InterimNumber</code> ) &lt; ( <code>LastItemNumber</code> )</div></div></div>
16	<div><div><div></div><div></div></div><div><div>Click UI element in window</div><div>Click on UI element <code>Hyperlink 'Next'</code></div></div></div>
17	<div><div><div></div><div></div></div><div><div>Extract data from web page</div><div>Extract single value from web page and store it in <code>CurrentWebPageDate</code></div></div></div>
18	<div><div><div></div><div></div></div><div><div>Wait for web page content</div><div>Wait for text <code>CurrentWebPageDate [0][0]</code> to appear on web page</div></div></div>
19	<div><div><div></div><div></div></div><div><div>Get details of web page</div><div>Get the <code>Web browser's current URL address</code> and store it into <code>NextWebPageURL</code></div></div></div>
20	<div><div><div></div><div></div></div><div><div>Add item to list</div><div>Add item <code>NextWebPageURL</code> to list <code>MainWebPageList</code></div></div></div>
21	<div><div><div></div><div></div></div><div><div>Get current date and time</div><div>Retrieve the current datetime and store it into <code>CurrentDateTime2</code></div></div></div>
22	<div><div><div></div><div></div></div><div><div>Convert datetime to text</div><div>Convert datetime <code>CurrentDateTime2</code> to text using format 'dd-MM-yyy HH mm ss' and store it into <code>FormattedDateTime2</code></div></div></div>
23	<div><div><div></div><div></div></div><div><div>Take screenshot</div><div>Take a screenshot of the entire screen and save it to <code>NewFolder .FullName\ 'CurrentItem .NAME' NextPageWindowScreenshot 'FormattedDateTime2 .png'</code></div></div></div>
24	<div><div><div></div><div></div></div><div><div>Take screenshot of web page</div><div>Capture the entire web page and store the captured image in file <code>NewFolder .FullName\ 'CurrentItem .NAME' NextWebPageScreenshot 'FormattedDateTime2 .png'</code></div></div></div>
25	<div><div><div></div><div></div></div><div><div>End</div></div></div>
26	<div><div><div></div><div></div></div><div><div>Label <code>ExtractLinkList</code></div></div></div>
27	<div><div><div></div><div></div></div><div><div>Go to web page</div><div>Navigate to <code>FirstWebPageURL</code></div></div></div>
28	<div><div><div></div><div></div></div><div><div>Extract data from web page</div><div>Extract data from specific fields using paging from all available web pages, create a virtual table and store it in <code>DataFromWebPage</code></div></div></div>
29	<div><div><div></div><div></div></div><div><div>For each <code>CurrentItem2</code> in <code>DataFromWebPage</code></div></div></div>
30	<div><div><div></div><div></div></div><div><div>Go to web page</div><div>Navigate to <code>CurrentItem2 [1]</code></div></div></div>
31	<div><div><div></div><div></div></div><div><div>Extract data from web page</div><div>Extract list from web pages and store it in <code>DataFromWebPage2</code></div></div></div>

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graph TD
    Start(( )) --> ForEach[For each]
    ForEach --> ClickUI[Click UI element in window  
Click on UI element Hyperlink '1 more...']
    ClickUI --> End1[End]
    End1 --> Label[Label Screenshot_if_nil_more]
    Label --> GetCurrentDate[Get current date and time  
Retrieve the current datetime and store it into CurrentDateTime2]
    GetCurrentDate --> ConvertDatetime[Convert datetime to text  
Convert datetime CurrentDateTime2 to text using format 'dd-MM-yyy HH mm ss' and store it into FormattedDateTime2]
    ConvertDatetime --> CropText[Crop text  
Get text between the specified flags 'https://www.opensanctions.org/entities/' and '/' from text CurrentItem2 [1] and store it into EntityID and if the flags are found or not into IsFlagFound3]
    CropText --> TakeScreenshot[Take screenshot  
Take a screenshot of the entire screen and save it to NewFolder .FullName\ CurrentItem .NAME (!=or==) CurrentItem2 [0] EntityID WindowScreenshot FormattedDateTime2 .png]
    TakeScreenshot --> TakeScreenshotWeb[Take screenshot of web page  
Capture the entire web page and store the captured image in file NewFolder .FullName\ CurrentItem .NAME (!=or==) CurrentItem2 [0] EntityID WebpageScreenshot FormattedDateTime2 .png]
    TakeScreenshotWeb --> End2[End]
    End2 --> RetrieveData0[Retrieve data table column into list  
Retrieve the contents of column 0 from data table DataFromWebPage and store them as a new list into ReturnedMatchName]
    RetrieveData0 --> RetrieveData1[Retrieve data table column into list  
Retrieve the contents of column 1 from data table DataFromWebPage and store them as a new list into MatchedNameLink]
    RetrieveData1 --> WriteExcelA[Write to Excel worksheet  
Write the value ReturnedMatchName into cell in column 'A' and row 1 of the Excel instance ExcelInstance]
    WriteExcelA --> GetExcelA[Get first free row on column from Excel worksheet  
Get the first free row on column 'A' in the active worksheet of the Excel document in instance ExcelInstance]
    GetExcelA --> WriteExcelB[Write to Excel worksheet  
Write the value ReturnedMatchName into cell in column 'A' and row FirstFreeRowOnColumn3 of the Excel instance ExcelInstance]
    WriteExcelB --> WriteExcelC[Write to Excel worksheet  
Write the value MatchedNameLink into cell in column 'B' and row 1 of the Excel instance ExcelInstance]
    WriteExcelC --> GetExcelB[Get first free row on column from Excel worksheet  
Get the first free row on column 'B' in the active worksheet of the Excel document in instance ExcelInstance]
    GetExcelB --> WriteExcelD[Write to Excel worksheet  
Write the value MatchedNameLink into cell in column 'B' and row FirstFreeRowOnColumn4 of the Excel instance ExcelInstance]
    WriteExcelD --> ResizeExcelA[Resize columns/rows in Excel worksheet  
Autofit all rows of active worksheet in Excel instance ExcelInstance]
    ResizeExcelA --> ResizeExcelB[Resize columns/rows in Excel worksheet  
Autofit all columns of active worksheet in Excel instance ExcelInstance]
    ResizeExcelB --> AddToList1[Add item to list  
Add item ReturnedMatchName to list ReturnedMatchNameList]
    AddToList1 --> AddToList2[Add item to list  
Add item MatchedNameLink to list MatchedNameLinkList]
    AddToList2 --> AddToList3[Add item to list  
Add item DataFromWebPage to list DataFromWebPageList]
    AddToList3 --> AddToList4[Add item to list  
Add item MainWebPageList to list CombinedMainWebPageList]
    AddToList4 --> ExitSubflow[Exit subflow]
  
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