

PERFORM VARIOUS SPREADSHEET OPERATIONS Readme

Bot Overview

This bot performs multiple operations:

Function Name	Description
OpenOrActivateExcelFile	This function will open or activate the excel file
OpenOrActivateTextFileInExcel	This function will open text file in the MS Excel
CloseExcelFile	This function will close the excel file
ActivateSheet	Activate the specific sheet from the speicific excel file
InsertNewRecord	Insert new record on the specific row number
GetTotalRecords	Get total number of records from the active sheet
ColNo2ColRef	Based on the column number returns the column name
ColRef2ColNo	Based on the column name returns the column number
ConvertOtherDelimitedTextFileToXlsx	Save text file as Excel (xlsx)
SaveAsPDF	Save excel file as PDF
FindTextInExcel	Find specific text into the excel file. It will give all the cell address where the value matches as return value.
CtrlACopy	Do Ctrl+A to select all the active range data from the sheet
SelectData	Select data from the specific file based on the parameters

CopyData	Copy date from one place to another place
PasteData	Paste copied data to the specific space
FilterData	Filter data based on the specified parameter
ChangeFontStyle	Change the font style using this function
FilterWithTwoEqualsCriteria	Filter a column for all fields equal to Var1 OR Var2

Pre-Requisites

- Automation Anywhere Enterprise v10 sp2

Installation

- Download the bot from Bot Store.
 - Double click on <Bot Name>.msi and follow the installation instructions.
- For first time users, the “Bot Store” folder is created under <AA Directory>/My Tasks (on your local disk).
- Folder Structure

Create the following folder structure of the content in the AA Dir:

- <AA Directory> ○ My Tasks
 - ✦ Bot Store
 - Perform Various Spreadsheet Operations (Folder) ○ My Tasks
 - ✦ [Microsoft]Activate Sheet_Empty.ATMX ○ Error Folder
 - ✦ Logs (Folder)
 - Error Logs Month-Day-Year.txt
 - ✦ Snapshots (Folder)
 - Error Snap Month-Day-Year.png
 - My Metabots
 - ✦ MetaBot-ExcelDLL.mbot

How to Use the Bot:

Use the following information to configure your bot for the different functions:

Sr N o	API/Function Name	Param	Example	Description
a	OpenOrActivateExcelFile			This function will open or activate the excel file
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile .xlsx	Provide full path of the Excel file
b	OpenOrActivateTextFileInExcel			This function will open text file in the MS Excel
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile .xlsx	Provide full path of the Excel file
		mDelimiter	,	Set the delimiter your data contains
c	CloseExcelFile			This function will close the excel file
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile .xlsx	Provide full path of the Excel file
		mSaveFile	TRUE	
d	ActivateSheet			Activate the specific sheet from the speicific excel file
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile .xlsx	Provide full path of the Excel file
		mSheetName	Sheet1	
e	InsertNewRecord			Insert new record on the specific row number
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile .xlsx	Provide full path of the Excel file
		mRowNumber	21	
f	GetTotalRecords			Get total number of records from the active sheet

		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name from which you wants to get the total number of records

g	ColNo2ColRef			Based on the column number returns the column name
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mColNumber	21	Provide column number and based on that this function will return column name. e.g. for 1=A, 3=C, etc...
h	ColRef2ColNo			Based on the column name returns the column number
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mColName	AA	Provide column name and based on that this function will retrun column number. E.g. for A=1, C=3, etc...
i	ConvertOtherDelimitedTextFileToXlsx			Save text file as Excel (xlsx)
		mFilePath	D:\Temp\Temp\Comma.txt	Provide full path of the text file which you wants to convert it in excel form
		mFileTo	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide the place where you wants to save the excel file after getting converted from text
		mDelimiter	, or ~ or ^	Specify the delimiter through which you wants to splitt the values
j	SaveAsPDF			Save excel file as PDF
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file

		mFileTo	D:\Chirag.Patel\My Desktop\ExcelTestFile.pdf	Provide the place where you wants to save the PDF file after getting converted from excel file
k	FindTextInExcel			Find specific text into the excel file. It will give all the cell address where the value matches as return value.
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mSearchText	Automation	Specify the text which you wants to search in the excel
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.

		mRange (Optional)	A:B	Specify the range area. If not provided then it will take used cells from the given sheet.
l	CtrlACopy			Do Ctrl+A to select all the active range data from the sheet
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
m	SelectData			Select data from the specific file based on the parameters
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
		mRange (Optional)	A:Z	Specify the range area. If not provided then it will take used cells from the given sheet.
n	CopyData			Copy date from one place to another place

		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
		mRange (Optional)	A1:Z10	Specify the range area. If not provided then it will take used cells from the given sheet.
o	PasteData			Paste copied data to the specific space
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
		mRange (Optional)	A1	Specify the range area. If not provided then it will take used cells from the given sheet.
		IsPasteByValue	True/False or 1/0	Specify the paste special type either by value or normal paste. By default it will take normal paste

p	FilterData			Filter data based on the specified parameter
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
		mRange (Optional)	A:Z	Specify the range area. If not provided then it will take used cells from the given sheet.
		mFilterByCol	C / Address	Specify column name or table column header through which you wants to filter the data.

		mIsFilterAppliedByColumnName	True/False or 1/0	Specify True if you want to apply filter by excel column name like A, B, C... AA,AZ, etc... If you want to filter data by column name (BaseNumber, Name, Address, Etc...) then make it false or 0
		mFilterByValue	Address1	Specify the value through for which you want to apply the filter
q	ChangeFontStyle			Change the font style using this function
		mFilePath	D:\Chirag.Patel\My Desktop\ExcelTestFile.xlsx	Provide full path of the Excel file
		mWorksheet (Optional)	Sheet1	Specify the sheet name. If not provided then it will take active sheet as default sheet.
		mRange (Optional)	A:Z	Specify the range area. If not provided then it will take used cells from the given sheet.
		mFont	Arial/Calibri/etc...	Specify font type
		mFontSize	14/18/etc...	Specify font size in number
		mBold	TRUE	Set true if you want Bold font
		mItalic	FALSE	Set true if you want Italic font
		mUnderLine	FALSE	Set true if you want Underline
		mHorizontalAlignment	Left/Center/Right	Set horizontal alignment using this para
		mVerticalAlignment	Top/Center/Bottom	Set vertical alignment using this para
r	FilterWithTwoEqualsCriteria			Filter a column for all fields equal to Var1 OR Var2
		HeaderCell	Default: A1	Header cell of the column to be filtered on

		SessionName	Default: Default	Excel session name (session is maintained from taskbot to metabot)
		SheetName	No Default	Sheet to use within Excel workbook
		Var1	No Default	First value to filter by
		Var2	No Default	Second value to filter by

		WindowTitle	No Default	Window Title to use for excel workbook
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Below are the common variables for all the functions:

Parameter Name	Type	Direction	Additional Info
vErrorFolder	String	Input	This is error folder inside bot folder which contains Logs and Snapshots folder (Already defined, no need to add value unless want to change location of file).
vLogFolder	String	Input	This folder contains Log file in case of error (Already defined, no need to add value unless want to change location of file).
vSnapshotFolder	String	Input	This folder contains Screenshot in case of error (Already defined, no need to add value unless want to change location of file).

Error Handling

- Each Bot folder contains the below hierarchy.
 - Error Folder
 - ✦ Logs
 - Error Logs Month-Day-Year.txt: In case of any error, this file logs error message along with time stamp
 - ✦ Snapshots
 - Error Snap Month-Day-Year.png: In case of any error, this file captures screenshot of error.
- Task Status of bot is set to failed in case of error.

Bot Deployment

