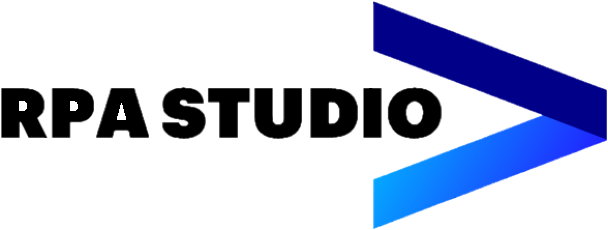


**VBA MACRO TOOL:**

VBA Helper



# Revision History Page

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author/s** |
| 12/04/2019 | 1.0 | Initial creation | Ron Arbiel S. Tumandao |

# Description

This VBA macro tool was designed to provide code snippets for developers to make coding easier and faster. It is integrated to RPA Helper Database Center, a SharePoint list of code snippets that everyone from RPA Team can access, edit, save, delete and share their knowledge. All codes snippets are searchable and can be copied from this macro.

# Platform Used

Microsoft Excel 2016 and SharePoint

# Prerequisites:

1. Make sure you have internet connection to get the latest data.
2. To execute this program, you must double click the excel file “RPA Helper.xlsm”.

## Visual Basic for Application

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| **Variables of checkboxes\_Click()** | **Type** | **Description** |
| shFilterData | Worksheet | Worksheet named “FilterData” |

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| **Variables of Worksheet\_Change ()** | **Type** | **Description** |
| KeyCells | Range | Range where the search data can be typed |

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| --- | --- | --- |
| **Variables of Worksheet\_BeforeDoubleClick ()** | **Type** | **Description** |
| shVBAguide | Worksheet | Worksheet named “VBA Guide” |
| rgTable | Range | Current Region of worksheet “VBA Guide” starting from A10. |

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| **Variables of Workbook\_open()** | **Type** | **Description** |
| shOutput | Worksheet | Worksheet named “VBA Guide” |

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| --- | --- | --- |
| **Variables of buttonDeleteRecord\_Click()** | **Type** | **Description** |
| intAnswer | Integer | MsgBox vbYesNo result |

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| --- | --- | --- |
| **Variables of HideBar()** | **Type** | **Description** |
| Style | Long | Variable used to hide user form window title bar |
| Menu | Long | Variable used to hide user form window title bar |
| hWndForm | Long | Variable used to hide user form window title bar |

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| --- | --- | --- |
| **Variables of applyAdvancedFilter()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named “MasterData” |
| shOutput | Worksheet | Worksheet named “VBA Guide” |
| intLastRow | Integer | Last used row of Current Region of worksheet “VBA Guide” starting from B10 excluding header. |
| dTime | Double | Total time completed after filtering the data |
| rg | Range | Current Region of worksheet “MasterData” starting from A1. |
| criterialRange | Range | Current Region of worksheet “FilterData” starting from A1. |

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| --- | --- | --- |
| **Variables of applyAdvancedFilterTo GetUniqueValues()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named “MasterData” |
| shOutput | Worksheet | Worksheet named “FilterData” |
| rg | Range | Range of worksheet “MasterData” of column B |

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| **Variables of highLightTextBoxString ()** | **Type** | **Description** |
| strTextBoxText | String | Text in a textbox of “userFormVBAguide” |

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| **Variables of updateMasterData()** | **Type** | **Description** |
| dictData | Dictionary | Collected data of a dictionary |

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| **Variables of deleteMasterData ()** | **Type** | **Description** |
| dictData | Dictionary | Collected data of a dictionary |

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| --- | --- | --- |
| **Variables of  readCellDataToDictionary ()** | **Type** | **Description** |
| dictData | Dictionary | Collected data of a dictionary |
| shData | Worksheet | Worksheet named “VBA Guide” |
| rgIn | Range | Range of worksheet “VBA Guide” starting from A1 |
| strValue | String | Value of textbox of “userFormVBAguide” |
| strID | String | Value of ID of current active cell |

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| **Variables of  writeDictionaryDataToCell ()** | **Type** | **Description** |
| dictData | Dictionary | Collected data of a dictionary |
| shData | Worksheet | Worksheet named "MasterData" |
| rgValue | Range | Range of matched ID value in worksheet “MasterData” |
| rgOut | Range | Range of dictionary data to be updated in worksheet “MasterData” |
| key | Variant | Key value in collected data of a dictionary |

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| **Variables of  deleteRowDictionaryData ()** | **Type** | **Description** |
| dictData | Dictionary | Collected data of a dictionary |
| shData | Worksheet | Worksheet named "MasterData" |
| rgValue | Range | Range of matched ID value in worksheet “MasterData” |
| rgOut | Range | Range of dictionary data to be deleted in worksheet “MasterData” |
| key | Variant | Key value in collected data of a dictionary |

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| --- | --- | --- |
| **Variables of  addDataRecord ()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named "MasterData" |
| rgIn | Range | Range of worksheet “MasterData” starting from A1 |
| intLastRow | Integer | Last used row in worksheet “MasterData” |
| intID | Integer | Last ID value in worksheet “MasterData” |

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| **Variables of moveSelectionDown ()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named "VBA Guide" |

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| --- | --- | --- |
| **Variables of moveSelectionUp ()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named "VBA Guide" |

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| --- | --- | --- |
| **Variables of deleteMasterData ()** | **Type** | **Description** |
| shData | Worksheet | Worksheet named "FilterData" |
| intLastRow | Integer | Last used row in worksheet “FilterData” starting from B6 |

# 1 . Open the excel file (RPA Helper.xlsm) on your end

# 2. Click Enable Editing

# 3. Click Enable Content

# 4. Click "Update Data" button  to connect to RPA Helper Database Center (Sharepoint List)

# 5. Sharepoint window will pop-up. Please select Microsoft Account and choose

# https://ts.accenture.com/sites/RPAStudio532 under level to apply settings.

# 6. Click Sign in button and enter your Microsoft account.

# 7. Click connect and that's it.

# Calibration Guide

The user can rename the excel file and can only change the color and style of any excel properties. Example: font color and font style.