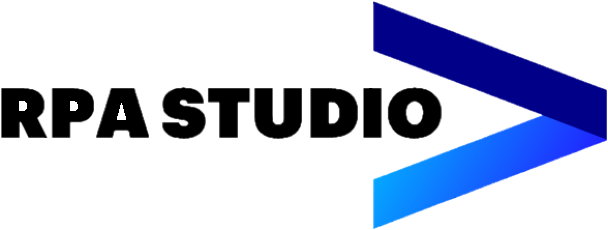


**VBA MACRO TOOL:**

VBA Helper



# Revision History Page

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author/s** |
| 11/12/2019 | 1.0 | Initial creation | Ron Arbiel S. Tumandao |

# Description

This VBA macro tool was designed to provide code snippets for developers that could help in building VBA macro bots. The VBA code snippets are searchable, editable, erasable and it can store a new code snippet.

# Platform Used

Microsoft Excel 2016

# Prerequisites:

1. Copy and paste the excel file “VBA Helper.xlsm” to your preferred location example Desktop.
2. To execute this program, you must double click the excel file “VBA 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. **Double click on VBA Helper.xlsm to open the program.**
2. **To search a code snippet, you can search by Type, Topic, Code and Description.**
3. **You can also use the drop-down list on the search bar which is cell C1 to search a code snippet.**
4. **To select a data from Code Snippet column, you can either use your mouse or click the up and down black arrows.**
5. **To copy a data from the search results, just double click the data on the cell and a user form will appear at the right side of the screen with the selected data and then click the Copy button.**
6. **To edit the selected data, just click on the textbox in the user form and click the Save button to save changes.**
7. **To delete the selected data, just click the Delete button and a prompt box will appear with options Yes or No. To proceed with deletion, select yes or else no.**
8. **To Close this user form, you can either click the Copy button or click the Exit button.**
9. **To add a data to the record, just click the Add button in the user form and another user form will appear at the center of the screen then fill in all required textbox. In combo box, you can manually type a data or select a data from the drop-down list. Once done you can click the Add button to add a new record.**

Double click the icon below to play the demo video. (Demo VBA Helper.wmv)

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# 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.