MS Word Extended

# Introduction This utility provides additional set of actions for MS Word VBO

# Installation instructions Steps:

Import the package into your environment.

# Dependencies:

None

# Usage instructions

The runmode of this business object is ‘Exclusive’

Options included in the utility:

* Add Table
* Add Table Row
* Attach Instance
* Clear Clipboard
* Close
* Copy to Clipboard
* Create Document
* Create Instance
* Detach Instance
* Exit
* ExportPDF
* Find Text
* Get Body
* Get Footer Text
* Get Highlighted Text
* Get Table Cell Value
* Hide
* Open
* Paste from Clipboard
* Remove Table
* Replace Highlighted Text
* Save As
* Select All
* Select Next Cell
* Select Next Field
* Set Current Instance
* Set Selected Cell Text
* Set Selected Checkbox
* Set Table Cell Value
* Show
* Type Text
* Update Bookmark

**1.1 Add Table**

Adds a new table into the word document

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text | The name of the document |
| handle | In | Number | The handle to the newly created instance, attached to either an existing Word window or a new one. |
| rows | In | Number | The number of rows to be added in the table |
| columns | In | Number | The number of columns to be added in the table |
| Table Number | Out | Number | The number of the table within the word document |

**1.2 Add Table Row**

Adds a new row to an existing table in the document

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text |  |
| handle | In | Number |  |
| Table Number | In | Number | The number of the table within the word document |

**1.3 Attach Instance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| File Name | In | Text | The full path and filename of the document that the instance should attach to, empty indicates that the topmost Word instance be attached to |
| handle | Out | Number | The handle to the newly created instance, attached to either an existing Word window or a new one. |

**1.4 Clear Clipboard**

**1.5 Close**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text |  |
| handle | In | Number |  |

**1.6 Copy to Clipboard**

Copies the current selection on to the clipboard

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |

**1.7 Create Document**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| documentname | Out | Text |  |

**1.8 Create Instance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | Out | Number |  |

**1.9 Detach Instance**

Detaches from the Word instance with the given handle, removing all references within this business object.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number | The handle to the instance to be detached from |

**1.10 Exit**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |

**1.11 ExportPDF**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| File Name | In | Text |  |
| documentname | In | Text |  |
| handle | In | Number |  |

**1.12 Find Text**

Searches the document for the given text

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| text | In | Text |  |
| match case | In | Flag |  |
| match whole word | In | Flag |  |
| found | Out | Flag |  |

**1.13 Get Body**

Gets the body text from the word document

**Preconditions:**

The Word VBO is initialised and a Word instance has been created/attached to

**Endpoint:**

The body text required is returned

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| start | In | Number | The start of the text range within the body for which the text is required |
| finish | In | Number | The finish of the text range within the body for which the text is required |
| documentname | In | Text | The name of the document for which the body text is required |
| handle | In | Number | The handle to the Word instance in which the document is open |
| Body | Out | Text | The text of the main body of the word document |

**1.14 Get Footer Text**

Gets the text from the specified footer

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| section | In | Number | Default 1 |
| footer | In | Number | Default 1 |
| footer text | Out | Text |  |

**1.15 Get Highlighted Text**

Returns the documents highlighted text as a collection

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| highlighted text | Out | Collection |  |
| *- text* | *Out* | *Text* |  |
| *- highlight index* | *Out* | *Number* | *A value from from the wdColor enumeration* |

**1.16 Get Table Cell Value**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text |  |
| handle | In | Number |  |
| Table Number | In | Number | The number of the table within the document |
| Cell x Number | In | Number | The x location number of the cell within the table (starts at 1) |
| Cell y Number | In | Number | The y location number of the cell within the table (starts at 1) |
| Result | Out | Text | the cell contents |

**1.17 Hide**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |

**1.18 Open**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| File Name | In | Text |  |
| handle | In | Number |  |
| Document Name | Out | Text |  |

**1.19 Paste from Clipboard**

Pastes the contents of the clipboard into the document

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |

**1.20 Remove Table**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text | The name of the document |
| handle | In | Number | The handle to the newly created instance, attached to either an existing Word window or a new one. |
| Table Number | In | Number | The number of the table within the word document |

**1.21 Replace Highlighted Text**

Searches for and replaces highlighted text

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| current text | In | Text |  |
| current highlight | In | Number |  |
| new text | In | Text |  |
| new highlight | In | Number |  |
| new bold | In | Flag |  |

**1.22 Save As**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| File Name | In | Text |  |
| documentname | In | Text |  |
| handle | In | Number |  |
| documentname | Out | Text |  |

**1.23 Select All**

Selects the entire document

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |

**1.24 Select Next Cell**

Moves the cursor to the table cell n steps away from the current cell. A positive number of steps moves forward and a negative number moves backwards.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| steps | In | Number | Optional, positive number to move forward, negative to move back, default 1. |
| selected | Out | Flag |  |

**1.25 Select Next Field**

Selects the next field in the document

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| steps | In | Number | Optional, positive number to move forward, negative to move back, default 1. |
| selected | Out | Flag |  |

**1.26 Set Current Instance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number | The handle for the instance which should become the current instance |

**1.27 Set Selected Cell Text**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| text | In | Text |  |
| append | In | Flag | Optional, default False will overwrite. |

**1.28 Set Selected Checkbox**

Ticks or unticks the selected checkbox

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |
| document name | In | Text |  |
| checked | In | Flag |  |

**1.29 Set Table Cell Value**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| documentname | In | Text |  |
| handle | In | Number |  |
| Table Number | In | Number | The number of the table within the document |
| Cell x Number | In | Number | The x location number of the cell within the table (starts at 1) |
| Cell y Number | In | Number | The y location number of the cell within the table (starts at 1) |
| Value | In | Text | The value to set the cell to |

**1.30 Show**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| handle | In | Number |  |

**1.31 Type Text**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| text | In | Text |  |
| documentname | In | Text |  |
| handle | In | Number |  |

**1.32 Update Bookmark**

**Preconditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Direction** | **Data Type** | **Description** |
| Bookmark name | In | Text |  |
| Text | In | Text |  |
| documentname | In | Text |  |
| handle | In | Number |  |