APPENDIX C: METHODS, PROPERTIES, AND EVENTS

The following is a complete list of the methods, properties, and events available for window, field, grid, and report objects. For more detailed information about the syntax or parameters needed for each, refer to the "Microsoft Dynamics™ GP VBA Object Library" section of the *Microsoft Dynamics GP VBA Developer's Guide*.

Window Objects

Methods

Activate	Activates a window, making it the front most window.
Hide	Makes an open window invisible.
Move	Changes the position of a window.
Open	Opens a window.
PullFocus	Removes the focus from a window and specifies whether data for the currently-focused field is valid.
Show	Displays a window that is open, but invisible.

Properties

Caption	Specifies the window's title that is displayed to the user.
Changed	Indicates whether the contents of the window have changed.
EventMode	Specifies whether VBA window events occur for the original or modified version of a window.
Height	Specifies the height of the window (in pixels).
IsLoaded	Returns if the window is loaded (opened). A window can be loaded, but not visible.
Left	Specifies the horizontal position of the window (in pixels).
Name	Specifies the internal name VBA uses to reference a window.
Required	Ascertains whether the user entered data in all fields whose Required property is true.
Top	Specifies the vertical position of the window.
Visible	Specifies whether an open window is visible.
Width	Specifies the width of a window (in pixels).

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Events

AfterActivate	Occurs when a window is activated. It occurs after the Microsoft Dynamics GP window activate event.
AfterClose	Occurs when the window closes. It occurs after the Microsoft Dynamics GP window close event.
AfterModalDialog	Occurs after the user dismisses a modal dialog.
AfterOpen	Occurs when a window opens. It occurs after the Microsoft Dynamics GP window open event.
BeforeActivate	Occurs when a window is activated. It occurs before the Microsoft Dynamics GP window activate event.
BeforeClose	Occurs when the window closes. It occurs before the Microsoft Dynamics GP window close event.
BeforeModalDialog	Occurs when a modal dialog opens, but before it is displayed.
BeforeOpen	Occurs when a window opens. It occurs before the Microsoft Dynamics GP window open event.

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Field Objects

The methods, properties, and events available for all field objects are included in the following tables. Differences between window, grid, and report fields are defined in each description. Note that the field events are only available for window and grid fields. There are currently no report field events supported.

Methods

Focus	Moves focus to a field.
FocusSeg	Moves focus to a segment in a composite field. Microsoft Dynamics GP account number fields are composite fields.
Move	Moves and resizes a window field.

Properties

Caption	Specifies the caption for a window field.
Empty	Specifies whether a field contains a value.
Enabled	Specifies whether a window field is enabled. The user cannot change the contents of a disabled field.
Height	Specifies the height of a window field.
Left	Specifies the horizontal position of a field (in pixels).
Locked	Locks a field. The user cannot change the value of a locked field, but they can view data in the field.
Name	Specifies the internal name VBA uses to reference a window or report field.
Object	Returns a field object without the standard properties and methods extended to it by Microsoft® Visual Basic®.
Parent	Returns a window or report object containing a specified field object.
Required	Specifies whether the field must contain data before the user can save information in the window.
TabStop	Specifies whether a field is in the window's tab sequence.
Top	Specifies the vertical position of a field.
Value	Specifies the Value of a window or report field. For window and grid fields, the Value property is a read/write property. For report fields, the Value property is a read-only property unless it is a user-defined calculated field.
ValueSeg	Specifies the value of a segment in a composite field.
Visible	Specifies whether the field is visible.
Width	Specifies the width of a field (in pixels).

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Events

AfterGotFocus	Occurs when the user moves focus into a window or grid field using the TAB key or the mouse. It occurs after the Microsoft Dynamics GP Got Focus event.
AfterLostFocus	Occurs when the user moves focus out of a field using the TAB key or the mouse. It occurs after the Microsoft Dynamics GP Lost Focus event.
AfterUserChanged	Occurs when the user changes the contents of a field and then moves the focus out of the field using the TAB key or the mouse. In fields that toggle, such as push buttons and visual switches, this event occurs when the user clicks the field. For list fields, this event occurs when the user selects an item in the list. In all instances, the event occurs after the Microsoft Dynamics GP User Changed event.
BeforeGotFocus	Occurs when the user moves focus into a field using the TAB key or the mouse. It occurs before the Microsoft Dynamics GP Got Focus event.
BeforeLostFocus	Occurs when the user moves focus out of a field using the TAB key or the mouse. It occurs before the Microsoft Dynamics GP Lost Focus event.
BeforeUserChanged	Occurs when the user changes the contents of a field, and moves the focus out of the field using the TAB key or the mouse. In fields that toggle, such as push buttons and visual switches, this event occurs when the user clicks the field. For list fields, this event occurs when the user selects an item in the list. In all instances, the event occurs before the Microsoft Dynamics GP User Changed event.
Changed	Always occurs when a field's value changes.

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Grid Objects

Methods

Hide	Makes a grid invisible.
Move	Changes the position of a grid.
Show	Makes a grid visible.

Properties

Changed	Indicates whether the current line of the grid has changed.
EventMode	Specifies whether VBA grid events occur for the original or modified version of a grid.
Left	Specifies the horizontal position of the grid (in pixels).
Name	Specifies the internal name VBA uses to reference a grid object.
Top	Specifies the vertical position of a grid (in pixels).
Visible	Specifies whether a grid is visible.

Events

AfterLineChanged	Occurs when the contents of a line change in an editable or adds-allowed grid, and the focus moves out of the line. It occurs after the Microsoft Dynamics GP Line Change event.
AfterLineGotFocus	Occurs when the user moves focus to a new line in a grid. It occurs after the Microsoft Dynamics GP Line Got Focus event.
AfterLineLostFocus	Occurs when the user moves focus out of a line in a grid. It occurs after the Microsoft Dynamics GP Line Lost Focus event.
BeforeLineChanged	Occurs when the contents of a line change in an editable or adds-allowed grid, and the focus moves out of the line. It occurs before the Microsoft Dynamics GP Line Change event.
BeforeLineGotFocus	Occurs when the user moves focus to a new line in a grid. It occurs before the Microsoft Dynamics GP Line Got Focus event.
BeforeLostFocus	Occurs when the user moves focus out of a line in a grid. It occurs before the Microsoft Dynamics GP Line Lost Focus event.

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BeforeLinePopulate	Occurs each time Microsoft Dynamics GP displays a new line in a grid.

Report Objects

Methods

Cancel	Cancels a report from a report event.

Properties

EventMode	Specifies whether VBA report events occur for the original or modified version of a report.
Legend	Specifies the value of a report legend.
Name	Specifies the internal name VBA uses to reference a report object.

Events

BeforeAF	Occurs before each instance of the specified additional footer prints.
BeforeAH	Occurs before each instance of the specified additional header prints.
BeforeBody	Occurs before each instance of the report's body prints.
BeforePF	Occurs before the report's page footer prints.
BeforePH	Occurs before the report's page header prints.
BeforeRF	Occurs before the report's report footer prints.
BeforeRH	Occurs before the report's report header prints.

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VBA Global Object

Methods

DUOSObjectCombineID	Constructs a DUOS data object ID using two string values.
DUOSObjectExtractID	Extracts two strings combined using DUOSObjectCombineID method.
DUOSObjectsGet	Returns a DUOS collection for the current company.

DUOSObjects Collection

Methods

Remove	Deletes a data object from a collection.

Properties

Exists	Returns True if a specified data object exists in a collection.
Item	Returns a data object from a collection.
Name	Returns the name of a collection.
SortByExisting	Specifies the property by which the collection sorts object.

DUOSObject Object

Properties

ID	Returns an object ID for a DUOS data object.
Properties	Returns a collection of properties for a DUOS data object.

DUOSProperties Collection

Methods

Remove	Deletes a specified property object from a properties collection.

Properties

Count	Returns the number of property objects in a properties collection.
Exists	Returns True if a property object exists in a properties collection.
Item	Returns a property object from a properties collection.

DUOSProperty Object

Properties

Name	Specifies the name of a property for a data object.
Value	Specifies the value of a property object.

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