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Alpha 1: March 8, 2019

Desktop

Type	Change
ADD	GraffitiSignature
ADD	GraffitiAccordion now has a "System" style that is dark mode adaptive.
ADD	GraffitiAccordion now has a TextShadow as Boolean = True property.
ADD	GraffitiColorPicker now better supports dark mode.
ADD	GraffitiDateTimePicker now supports dark mode.
ADD	GraffitiDesktopControl subclasses (Calendar, HTML editor, SyntaxEditor) now have LoaderShow and LoaderHide methods for displaying a spinner on load and during long operations.
ADD	GraffitiDesktopControl subclasses (Calendar, HTML editor, SyntaxEditor) now have a ShowLoaderOnEvents as Boolean = False property which will automatically show and hide the loader on long event operations.
ADD	GraffitiDateTimePicker now supports date range selection using GraffitiDateTimePicker.SelectionTypes.Range
ADD	GraffitiFontPicker now supports dark mode.
ADD	GraffitiGrid now relies on GraffitiGridRows for data.
ADD	GraffitiGrid now supports variable row height.
ADD	GraffitiGrid now has a SystemColors property which will attempt to automatically use the system color scheme for drawing, and will draw the appropriate progressbar style for the OS.
ADD	GraffitiGrid now supports embedding RectControls and ContainerControls in rows. These controls should NOT have the Grid's parent as their parent for proper drawing on Windows.
ADD	GraffitiGrid now supports DarkMode colors when using SystemColors = True.
ADD	GraffitiGridColumn has a new property ControlSizing as GraffitiGridColumn.Sizings for positioning and dimensions of contained controls, and should not be modified after the control has been embedded.
ADD	GraffitiGridColumn has a new enumeration Sizings as Integer for use with GraffitiGridColumn.ControlSizing.
ADD	GraffitiHTML editor now has a CurrentLine method to determine the current line that SelStart occupies in PlainText.
ADD	GraffitiHTML editor now has a SelFont as String property for getting/setting the font of the currently selected text.
ADD	GraffitiHTML editor now has an EnforceHTTPS as Boolean = True property for forcing users to use HTTPS URLs for Audio/Image/Video tags.

Type	Change
ADD	GraffitiHTMLEditor now supports inline hashtags(#graffitisuite) and mentions(@graffitisuite).
ADD	GraffitiHTMLEditor has a new HashtagAdded(tagID as Integer, tagValue as String) event for when a user adds a pre-defined hashtag to the text.
ADD	GraffitiHTMLEditor has a new MentionAdded(mentionID as Integer, mentionValue as String) event for when a user adds a pre-defined mention to the text.
ADD	GraffitiHTMLEditor has a new AddHashTag(HashValue as String) method.
ADD	GraffitiHTMLEditor has a new AddHashTags(Values() as String) method.
ADD	GraffitiHTMLEditor has a new AddMention(MentionValue as String) method.
ADD	GraffitiHTMLEditor has a new AddMentions(Values() as String) method.
ADD	GraffitiHTMLEditor has a new HashTag(tagID as Integer) as String method for retrieving the value of tagID.
ADD	GraffitiHTMLEditor has a new HashTagCount() as Integer method for retrieving the number of hashtags currently used.
ADD	GraffitiHTMLEditor has a new Mention(mentionID as Integer) as String method for retrieving the value of mentionID.
ADD	GraffitiHTMLEditor has a new MentionCount() as Integer method for retrieving the number of mentions currently used.
ADD	GraffitiHTMLEditor has a new RemoveAllHashTags() method.
ADD	GraffitiHTMLEditor has a new RemoveAllMentions() method.
ADD	GraffitiHTMLEditor has a new RemoveHashTag(tagID as Integer) method.
ADD	GraffitiHTMLEditor has a new RemoveMention(mentionID as Integer) method.
ADD	GraffitiHTMLExporter now has a HTMLEntityEncodeSkipTags(theHTML as String) as String method for encoding text in HTML but not the tags.
ADD	GraffitiHTMLExporter now has a HTMLEntityDecodeSkipTags(theHTML as String) as String method for decoding text in HTML but not the tags.
ADD	GraffitiNote now has a MaxHeight property that is applied when using dynamic height. This is used to alleviate a hard crash on Windows when the height gets above 10000. Valid values are between 10 and 10000.
ADD	GraffitiPropertyList now has a Password child type which will display the password value during editing, but an obscured string during display.
ADD	GraffitiPropertyList now supports Dark Mode.
ADD	GraffitiPropertyList now has a new Event: CustomCellClick(Node as PropertyListChild, X as Integer, Y as Integer)
ADD	GraffitiPropertyList now has a new Event: CustomIconPaint(Node as PropertyListChild, X as Integer, Y as Integer)
ADD	GraffitiPropertyListChild now a new kChildCustom constant for Type.
ADD	GraffitiPropertyListChild now has an EditorFormat property for use with kChildSingleLine.
ADD	GraffitiPropertyListChild now has an EditorMask property for use with kChildSingleLine.
ADD	GraffitiRibbonButton has a new IconShift as Boolean as Boolean property for overriding the global Ribbon setting.
ADD	GraffitiRibbonRectControls can now have a width of "Flex" to fill their parent group.
ADD	GraffitiSyntaxEditor now has Menu Handlers defined for the following Edit operations: EditUndo, EditRedo, EditCopy, EditPaste, EditCut, EditDelete, EditSelectAll.
ADD	GraffitiSyntaxEditor now has a Copy() method.
ADD	GraffitiSyntaxEditor now has a Paste() method.
ADD	GraffitiSyntaxEditor now has a Delete() method for clearing the currently selected text.

Type	Change
ADD	GraffitiSyntaxEditor now has a PrintDocument(Title as String, Theme as Themes, WordWrap as Boolean = True) as FolderItem method for generating a printable version of syntax highlighted content.
ADD	GraffitiSyntaxEditor now has a CenterSelection() method.
ADD	GraffitiSyntaxEditor now has a Fold() method.
ADD	GraffitiSyntaxEditor now has an Unfold() method.
ADD	GraffitiSyntaxEditor now has a ShowFind() method.
ADD	GraffitiSyntaxEditor now has a ShowReplace() method.
ADD	GraffitiSyntaxEditor now has a ShowGotoLine(PromptText as String = "Enter line number:") method.
ADD	GraffitiSyntaxEditor now has a ShowSettingsMenu() method for displaying an editable menu of settings. Changes made here are not reflected in the class's properties.
ADD	GraffitiSyntaxEditor now has a ShowShortcutsMenu() method for displaying the default editor keyboard shortcuts.
ADD	GraffitiSyntaxEditor now has a FoldAll() method.
ADD	GraffitiSyntaxEditor now has an UnfoldAll() method.
ADD	GraffitiSyntaxEditor now has a SelectToStart() method for selecting all text between document start and current selection.
ADD	GraffitiSyntaxEditor now has a SelectToEnd() method for selecting all text between current selection and document end.
ADD	GraffitiSyntaxEditor now has a SelectUp() method for moving selection up one line.
ADD	GraffitiSyntaxEditor now has a SelectDown() method for moving selection down one line.
ADD	GraffitiSyntaxEditor now has a SelectPageUp() method for selecting the previous page.
ADD	GraffitiSyntaxEditor now has a SelectPageDown() method for selecting the next page.
ADD	GraffitiSyntaxEditor now has a MatchingExpandTo() method for expanding the current selection within matching brackets/parentheses.
ADD	GraffitiSyntaxEditor now has a MatchingJumpTo() method for moving to the matching bracket/parenthesis for the current block.
ADD	GraffitiSyntaxEditor now has a SelectionDuplicate() method for duplicating the currently selected text/block.
ADD	GraffitiSyntaxEditor now has a CommentBlockToggle() for toggling block comments of selected text in supported languages.
ADD	GraffitiSyntaxEditor now has a CommentToggle() for toggling single line comments.
ADD	GraffitiSyntaxEditor now has a SelectionCopyLinesDown() method for copying the currently selected lines below the selection end.
ADD	GraffitiSyntaxEditor now has a SelectionCopyLineUp() method for copying the currently selected line above the selection start.
ADD	GraffitiSyntaxEditor now has a SelectionMoveLinesDown() method for moving the currently selected lines down one line.
ADD	GraffitiSyntaxEditor now has a SelectionMoveLinesUp() method for moving the currently selected lines up one line.
ADD	GraffitiSyntaxEditor now has a SelectionSplitLine() method for splitting the current line at the selection start.
ADD	GraffitiSyntaxEditor now has a SelectionTranspose() method for transposing the current selection.
ADD	GraffitiSyntaxEditor now has a SelectionTransposeLetters() method for transposing the currently selected letters.

Type	Change
ADD	GraffitiSyntaxEditor now has a SelectionToUppercase() method for changing the currently selected text to uppercase.
ADD	GraffitiSyntaxEditor now has a SelectionToLowercase() method for changing the currently selected text to lowercase.
ADD	GraffitiSyntaxEditor now has a SelectionModifyNumber() method for incrementing or decrementing the currently selected integer value within the text.
ADD	GraffitiSyntaxEditor now has a PrintMarginColumn as Integer property for setting the position of the print margin.
ADD	GraffitiSyntaxEditor now has a FadeFoldWidgets as Boolean property, which will fade out the disclosure triangle of fold points unless the mouse is over the gutter.
ADD	GraffitiSyntaxEditor now has a ShowFoldWidget as Boolean property which determines whether fold disclosure triangles are drawn.
ADD	GraffitiSyntaxEditor now has a ShowInvisible as Boolean property for displaying representations of characters that would otherwise be invisible, such as tabs and new lines.
ADD	GraffitiSyntaxEditor now has a ShowPrintMargin as Boolean property for displaying the print margin within the editor.
ADD	GraffitiSyntaxEditor now has a FontSize as Integer property.
ADD	GraffitiTagField now supports dark mode.
ADD	GraffitiTextField
ADD	GraffitiTreeView now has a ShowBorder as Boolean = True property.
ADD	KillerToolBar has a new Dark Style included.
FIX	GraffitiAccordion once again properly sets the width of child containers to that of the accordion's child area.
FIX	GraffitiAccordion once again sizes containers properly on resize.
FIX	GraffitiAccordion now uses an alpha color for drawing shadows instead of inverting the text color.
FIX	GraffitiColorPicker once again properly saves recent colors with Alpha channels.
FIX	GraffitiDesktopControl subclasses no longer double up EndOfLine on Windows.
FIX	GraffitiGrid now properly positions long strings passed via FormatCellValue.
FIX	GraffitiGrid now resets the cursor when moving from the column header.
FIX	GraffitiGrid's CellClick event now returns a boolean value for skipping selection changes. Useful for clickable value cells like Boolean/Checkbox.
FIX	GraffitiHTMLEditor's font loading method optimized significantly.
FIX	GraffitiHTMLEditor no longer fails to load on MacOS Mojave (Issue introduced in R29B2).
FIX	GraffitiHTMLExporter's HTML entity encoding/decoding methods now support the ü entity/character.
FIX	GraffitiHTMLExporter.HTMLEntityEncode and GraffitiHTMLExporter.HTMLEntityDecode should now behave better on a wider range of mixed strings.
FIX	GraffitiNote now fires HeightChanged during the close animation.
FIX	GraffitiPropertyList will no longer encounter a NilObjectException if a cell is being edited when the window is closed.
FIX	GraffitiRibbonButton items inside GraffitiRibbonColumns should no longer become cut-off when using auto-sizing on HiDPI screens.
FIX	GraffitiRibbonButtonSmall now properly sets the text color of the button.
FIX	GraffitiRibbonButtonLarge now properly draws Icons along the X axis when not using menus.
FIX	GraffitiRibbonRectControls should now draw at the appropriate X and Y coordinates when the parent GraffitiRibbon is not set to (0,0).
FIX	GraffitiSearchCanvas now properly supports Mojave.

Type	Change
FIX	GraffitiSearchCanvas has improved support for Dark Mode.
FIX	GraffitiSyntaxEditor should now more reliably set all properties on load.
FIX	GraffitiTagField horizontal scrolling once again works as expected.
FIX	GraffitiTagField now better supports HiDPI.
FIX	GraffitiTaskList now supports dark mode.
FIX	GraffitiTreeView should no longer intermittently ignore the CustomPictures property.
FIX	GraffitiTreeView should no longer exhibit strange spacing around the icons on Windows.
NOTE	Due to changes for MacOS, inserting Audio/Image/Video elements that use a non-HTTPS URL may fail. You should use an info.plist for modifying NSAppTransportSecurity or enforce only HTTPS URLs.
NOTE	GraffitiSyntaxEditor example now includes file drop loading example.
NOTE	Fixed analysis warnings.

Web

Type	Change
ADD	Experimental combined resource loading. See https://graffitisuite.com/wiki/doku.php?id=web:combined
ADD	GraffitiHTMLExporter, which is now a dependency of GraffitiWebHTMLEditor.
ADD	GraffitiWebImagePicker
ADD	GraffitiWebCalendar now supports adding titles to days with the new DayTitle method.
ADD	GraffitiWebFile's SaveTo method now has an Overwrite as Boolean = False parameter. When False the class will append the nearest unused number to the file name and use that.
ADD	GraffitiWebFile's SaveTo method now returns a FolderItem pointing to the saved file location in case of numbering.
ADD	GraffitiFontAwesome now has a Scale value for the IconSizes enumeration which sizes the icon to the current control height.
ADD	GraffitiWebGrid now breaks on events where one or more necessary parameters are Nil to highlight errors in implementation.
ADD	GraffitiWebHTMLEditor now has a CurrentLine method to determine the current line that SelStart occupies in PlainText.
ADD	GraffitiWebPopupMenu now has a new SearchTypes as Integer enumeration.
ADD	GraffitiWebPopupMenu now has a new SearchType as SearchTypes property for controlling how data searches are performed.
ADD	GraffitiWebPopupMenu now has a PlaceholderSearchText as String property for setting the search field's placeholder on instances where MultiSelect = False.
ADD	GraffitiWebTabPanel has a new LockUpdate property for disallowing updates during long operations.
ADD	GraffitiWebTextField now has a "Search" FieldType.
ADD	GraffitiWebTextField now has new properties for setting images as the icons: IconObject as Picture, IconWidth as Integer, IconHeight as Integer.
ADD	GraffitiWebTextField now supports icon parsing similar to GraffitiWebButton where <icon> is used for IconObject and <fa fa-icon-name> is used for FontAwesome.
ADD	GraffitiWebTextField now has a Required as Boolean property for denoting within the display that the field is required to have a value.
ADD	GraffitiWebUploader now has a FileClicked event.
ADD	GraffitiWebUploader now has an AddFile method, but does not display previews.
ADD	GraffitiWebUploader now has a Remove(File as GraffitiWebFile) method.

Type	Change
ADD	GraffitiWebUploader now has a UpdateName(File as GraffitiWebFile) method to make the in-display name match the GraffitiWebFile.Name property for that file.
FIX	All classes now have more realistic default dimensions.
FIX	GraffitiWebAccordion.FindItem(ItemText as String) as Integer renamed to FindItemIndex.
FIX	GraffitiWebButton captions are no longer placed 0.5px too far to the bottom of the control.
FIX	GraffitiWebDatePicker (All Variants) now properly shows and hides the "clear" button based on the value of the ClearButton property.
FIX	GraffitiWebDatePickerRange no longer exposes a Style property to the inspector. It has three specific Style* properties.
FIX	GraffitiWebGrid now respects rows with Expanded = True when added.
FIX	GraffitiWebGrid once again shows an appropriate spacer for tree children.
FIX	GraffitiWebGrid now properly updates selection info when a row is removed.
FIX	GraffitiWebGrid once again properly updates row order when user drags a row.
FIX	GraffitiWebGridRow.Selected is now properly set when changing selection during runtime.
FIX	GraffitiWebHTMLEditor's SelText property now uses correct indices for updates to the browser.
FIX	GraffitiWebHTMLEditor should no longer throw Javascript errors when performing multiple operations that alter the SelStart/SelLength.
FIX	GraffitiWebHTMLEditor now properly handles most non-English characters by converting them to HTML entities, thanks to GraffitiHTMLExporter.
FIX	GraffitiWebHTMLEditor no longer collapses long strings of spaces to a single space.
FIX	GraffitiHTMLExporter now respects tags.
FIX	GraffitiHTMLExporter.HTMLEntityEncode and GraffitiHTMLExporter.HTMLEntityDecode should now behave better on a wider range of mixed strings.
FIX	GraffitiWebPDF now supports calling Download after using FromHTML to create a PDF.
FIX	GraffitiWebPDF now better handles multiple pages when using FromHTML.
FIX	GraffitiWebPDF once again honors HorizontalAlign and VerticalAlign properties of GraffitiWebPDFCellStyle objects.
FIX	GraffitiWebPDF once again properly applies table header styles.
FIX	GraffitiWebPDF now uses arrays for generating table JavaScript instead of concatenation for speed.
FIX	GraffitiWebPDF no longer throws deprecation warnings to the browser's JavaScript Console.
FIX	GraffitiWebPDFCellStyle.HorizontalAlign is now spelled correctly.
FIX	GraffitiWebPopupMenu's SetItemSelected should now be more dependable.
FIX	GraffitiWebPopupMenu no longer uses a shadow property for Enabled.
FIX	GraffitiWebPopupMenuItem now uses UUID strings rather than integers for ID.
FIX	GraffitiWebSlider no longer expects height of 210px for vertical, or width of 210px for horizontal.
FIX	GraffitiWebTabPanel no longer changes the HashTag when clicking on a tab.
FIX	GraffitiWebTabPanel now pushes containers to the page when hidden, and reloads them on Shown. This addresses an issue where Xojo will set height of child controls to 0px if the Display style of the parent container is 'none' upon showing a page.
FIX	GraffitiWebTabPanel no longer references GraffitiWebAccordion items.
FIX	GraffitiWebTabPanel pages now properly size to fill the control.
FIX	GraffitiWebTextField labels should no longer be taller than the input element.
FIX	GraffitiWebTimePicker now only sends those events to the server that are necessary or have event handlers implemented.
FIX	GraffitiWebToggle no longer resets True and False value text when disabled/enabled.

Type	Change
FIX	GraffitiWebToggle no longer ignore the Visible property if set in the Open event.
FIX	GraffitiWebUploader now only sends those events to the server that are necessary or have event handlers implemented.
FIX	GraffitiWebUploader no longer improperly reports that files cannot be uploaded in the UI after programmatically adding a file.
FIX	GraffitiWebWall now only sends those events to the server that are necessary or have event handlers implemented.
FIX	GraffitiWebWall now exposes the UpdateDisplay() method for forcing GraffitiWebWall to refresh when GraffitiWebWallPanel containers change dimensions.
REM	GraffitiWebUploader's RemoveFile(theFile as String) has been removed.
NOTE	GraffitiWebCalendar events are no longer required to have titles. But they should have titles. Seriously.
NOTE	GraffitiWebPDF's .Save method has been deprecated. Use .Download
NOTE	GraffitiWebUploader updated to rely on objects rather than filenames to avoid collisions when multiple files are uploaded with the same name.
NOTE	Resolved analysis warnings.

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