Date Released

Final: February 11, 2019
Alpha 4: December 28, 2018
Alpha 3: December 11, 2018
Alpha 2: November 27, 2018
Alpha 1: November 15, 2018 `[Private]`

Desktop

Type	Change
ADD	GraffitiFontPicker
ADD	GraffitiRibbon 2.0
ADD	GraffitiTaskList
ADD	GraffitiButton now uses Ampersand to signify that a character should be drawn with an underline as an accelerator key. No action is taken when the key combination is pressed, and this should be implemented by the user.
ADD	GraffitiGrid now supports Shift+Click for multiple selection.
ADD	GraffitiHTMLEditor now supports ALT attributes on img elements.
ADD	GraffitiHTMLEditor now has an InsertHTML method.
ADD	GraffitiHTMLEditor now floats images when changing the alignment to achieve a text-wrapping effect.
ADD	GraffitiHTMLEditor now supports WIDTH and HEIGHT attributes on img elements.
ADD	GraffitiHTMLEditor now has a DarkMode as Boolean property.
ADD	GraffitiProgress now has a Dark style.
ADD	GraffitiSearchCanvas icons updated to shift for dark mode.
ADD	GraffitiSearchCanvas now has a ShowMagnifyingGlass as Boolean property.
ADD	GraffitiSearchCanvas now has a ShowClearButton as Boolean property.
ADD	GraffitiSearchCanvas now has a ClearClicked event definition that fires only if the Field property is not a TextField or TextArea, otherwise the field text is automatically cleared when clicking the clear icon.
ADD	GraffitiStatusBar now has a DarkMode style.
ADD	GraffitiTreeView now has a SearchNodes(searchText as String, PartialMatch as Boolean = True) as GraffitiTreeViewNode method.
ADD	GraffitiTreeView now has a ScrollTo(node as GraffitiTreeViewNode) method.
ADD	GraffitiTreeView now has a NodeMultiselectionChange(theNodes() as GraffitiTreeViewNode) event.
ADD	GraffitiTreeView now supports Shift+Ctrl+Click for appending selection ranges.
ADD	GraffitiTreeView now has a Dark style.
ADD	GraffitiTreeViewNode now has methods for managing columns.
ADD	GraffitiTreeView now has a CanDrag property to enable dragging rows from the component. Demo updated to show functionality.
FIX	GraffitiDateTimePicker now properly paints months following those with 31 days.
FIX	GraffitiDateTimePicker now properly paints months that span 6 weeks.
FIX	GraffitiDateTimePicker no longer skips months when the current day of the month is greater than the target month's last day.
FIX	GraffitiHTMLEditor now honors non-specific HTML with valid UTIs for Paste operations.

Type	Change
FIX	GraffitiHTMLEditor no longer strips some supported tags when applying to HTML directly (HR, Tables, Audio).
FIX	GraffitiHTMLEditor now converts plain-text line-endings to tags when pasting plain-text.
FIX	GraffitiHTMLEditor Horizontal Rule code updated. Now works properly with the new version of QuillJS.
FIX	GraffitiHTMLEditor no longer loses EOLs when copying/pasting from/to the control.
FIX	GraffitiHTMLEditor now converts <DIV> tags to <SPAN> tags on paste.
FIX	GraffitiHTMLEditor now retains Width and Height of images after editing.
FIX	GraffitiHTMLEditor now retains styling when aligned.
FIX	GraffitiHTMLEditor spell checking once again works as expected on macOS without toggling the value post-load.
FIX	GraffitiPropertyList no longer intermittently returns the wrong items from the Find methods.
FIX	GraffitiPropertyList find methods optimized a bit more.
FIX	GraffitiSlider now has additional nil checking for tooltips.
FIX	GraffitiStatusBar now honors default colors for styles when UseCustomColors = False.
FIX	GraffitiStatusBar now properly draws on versions of Windows >= 8 when UseDefaultSystemStyle = True
FIX	GraffitiTabBar's SelectTab methods are no longer scoped Private.
FIX	GraffitiTreeView should no longer intermittently ignore the Shift or Control keys on multiple selection.
FIX	GraffitiTreeView redrawing optimized slightly.
FIX	GraffitiTreeView no longer draws text over node icons when using live loading methods.
FIX	GraffitiTreeView should no longer leave an empty space smaller than RowHeight at the top of the display under certain conditions.
FIX	GraffitiTreeView no longer has an errant reference to the Graphics property of the class.
NOTE	GraffitiTreeViewNode's Columns property is now private. Make use of the new methods added to GraffitiTreeViewNode.

Web

Type	Change
ADD	Additional Comments to possible script/stylesheet loading exception points with instructions.
ADD	GraffitiWebBarcodeReader
ADD	GraffitiWebPagePanel
ADD	GraffitiWebAccordion has a new SingleSelect property. When True, only a single panel at a time can be expanded, and the panels size to fit the component's display.
ADD	GraffitiWebAlert now supports titlebars using the Title and TitleStyle properties of GraffitiWebAlertMessage.
ADD	GraffitiWebAlert now has a ButtonAreaStyle as WebStyle property for altering the appearance of the button area at the bottom of alerts.
ADD	GraffitiWebAlert now supports Width and Height properties on GraffitiWebAlertMessage.
ADD	GraffitiWebAnimatorObject now has a Position(X as Integer, Y as Integer, Duration as Integer) method.
ADD	GraffitiWebButton now has IconObject as Picture and IconObjectSize as Integer = 16 properties which are HiDPI aware, use <icon> to signify location.
ADD	GraffitiWebCheckbox now has a StyleTrue as WebStyle property.

Type	Change
ADD	GraffitiWebContextMenu's AddMenu methods now have an optional AutoHide parameter, which will hide the menu when the mouse leaves it.
ADD	GraffitiWebContextMenu's AddMenu methods now have an optional Position as REALbasic.Point parameter. -1 on X or Y will use the default value for that coordinate. Values are relative to the upperleft of the viewport.
ADD	GraffitiWebContextMenu now supports long-press on mobile devices when using TriggerRight.
ADD	GraffitiWebDatePickerRange now has three new properties: StyleFieldStart, StyleFieldEnd, and StyleToLabel.
ADD	GraffitiWebGrid now supports multiline column headers using the tag.
ADD	GraffitiWebGrid now provides an override for invalid date objects, rather than displaying "Invalid Date", in the form of GraffitiWebGridColumn.NilDateOverride.
ADD	GraffitiWebGridColumn has a new DecimalPlacesMin property.
ADD	GraffitiWebLabel now has a "Click" event.
ADD	GraffitiWebLabel now has a "ContextClick" event.
ADD	GraffitiWebLabel now has a "SelectedHTML" property.
ADD	GraffitiWebRadioButton now has a StyleTrue property.
ADD	GraffitiWebTextField has a new LabelWidth property. When set to -1 the label will automatically size to the content.
ADD	GraffitiWebTextField has a new LabelAlignment property, meant for use with the LabelWidth property.
ADD	GraffitiWebToolbarButton now has a Width as Integer = -1 property. Setting to -1 will cause the button to autosize to its contents.
ADD	GraffitiWebToolbarButton now has an OverrideStyle as WebStyle property for using Xojo's WebStyles instead of Bootstrap styles.
ADD	GraffitiWebToolbarButton now has IconObject as Picture and IconObjectSize as Integer = 16 properties which are HiDPI aware.
ADD	GraffitiWebTooltip now supports binding basic tooltips to GraffitiWebToolbarButtons.
ADD	GraffitiWebTooltip now has a Reposition method that can be called when elements move on the page to automatically reposition the relative tooltip to its parent's new location.
ADD	GraffitiWebWall has a new ScrollBottom event which can be used to implement infinite scrolling (see the bottom GraffitiWebWall instance on pgeWall).
ADD	GraffitiWebWall will now receive focus.
ADD	GraffitiWebWall now has a KeyPress event.
FIX	GraffitiWebAccordion no longer has unnecessary blank space below headers.
FIX	GraffitiWebAccordion no longer shifts captions with FontAwesome icons to the right by about 50 pixels.
FIX	GraffitiWebAccordionNav should no longer throw a JavaScript exception when using certain characters in child item text.
FIX	GraffitiWebAlert now properly updates Z-Index on Show.
FIX	GraffitiWebAlert now properly removes elements from the DOM when a message is closed.
FIX	GraffitiWebAlert once again has properties for managing button alignment (GraffitiWebAlertMessage.ButtonAlignment).
FIX	GraffitiWebAlert once again assigns an appealing default style to buttons with no Style specified.
FIX	GraffitiWebAlert now applies a default style to the button area of alerts.
FIX	GraffitiWebAlert now properly returns containers to their original page for reuse on future alerts.

Type	Change
FIX	GraffitiWebButton now waits until the control is visible before instantiating. This should fix some random unreproducible exceptions that people were reporting.
FIX	GraffitiWebCamera's Stop method now properly ends the stream from the device. The browser should no longer continue to report that the WebCam is active after calling Stop.
FIX	GraffitiWebCard now properly retains visibility when setting the Visible property before changing other crucial properties.
FIX	GraffitiWebContextMenu no longer throws Javascript exceptions on HideMenu.
FIX	GraffitiWebContextMenu's MenuHidden and MenuShown events once again fire.
FIX	GraffitiWebContextMenu now properly unbinds from WebButton.
FIX	GraffitiWebContextMenu now positions the menu at bottom-left of the target WebControl when binding using TriggerNone.
FIX	GraffitiWebContextMenu's TriggerRight once again functions without the need to use Xojo control events.
FIX	GraffitiWebContextMenu's menus now automatically size to their contents' width.
FIX	GraffitiWebCurrencyField now exposes the Value property in the Property Inspector.
FIX	GraffitiWebCurrencyField no longer throws Javascript exceptions when setting properties in the Open event.
FIX	GraffitiWebDatePicker(All) no longer throws a Javascript exception in IE11 when changed the date value.
FIX	GraffitiWebDatePickerRange's "to" label should now properly center vertically in Firefox.
FIX	GraffitiWebGrid no longer throws a Javascript exception in IE11 when using Date columns.
FIX	GraffitiWebGrid no longer throws a Javascript exception on EditCancel and EditCommit.
FIX	GraffitiWebGrid now honors HeaderRowHeight, and appropriately centers header text vertically.
FIX	GraffitiWebGrid should no longer throw a Javascript exception when no data is loaded, and the class attempts to destroy.
FIX	GraffitiWebGrid now honors EndOfLine in values for LongText formatted columns both when viewing and editing.
FIX	GraffitiWebGrid once again updates edit values in the Xojo code when an edit operation has completed in the browser.
FIX	GraffitiWebGrid's HeaderRowVisible property once again works as expected.
FIX	GraffitiWebGrid's DeselectAllRows method now also clears cell selection.
FIX	GraffitiWebLabel's event should now work on subsequent page shows.
FIX	GraffitiWebNotifier once again fires events when instantiated as a property of the Session object.
FIX	GraffitiWebPagination styling fixes.
FIX	GraffitiWebSidebar no longer loses content when switching between pages.
FIX	GraffitiWebSidebar now properly updates Z-Index on Show and Toggle.
FIX	GraffitiWebSidebar no longer applies default styles to UI components within the sidebar when a custom WebStyle has been applied to the Style property.
FIX	GraffitiWebSignature once again fills the entire control area.
FIX	GraffitiWebStorage no longer throws a Javascript exception when cookies are disabled.
FIX	GraffitiWebTextField now updates 500ms after last keypress, rather than only updating on focus out.
FIX	GraffitiWebTextField now explicitly applies the UTF-8 character encoding to the value string.
FIX	GraffitiWebToggle no longer fires the change event twice on clicks.
FIX	GraffitiWebToolbar now honors the Style property for applying WebStyles.
FIX	GraffitiWebTooltip's Unbind method should now be a bit faster.

Type	Change
FIX	GraffitiWebTree no longer has some misplaced conditions for Expand and Collapse that can cause NilObjectExceptions.
FIX	Bootstrap no longer overrides default styles of controls.
REM	GraffitiWebQRReader
NOTE	Cleaned up the browser console.
NOTE	Moved remaining script loads to use AddJSFile.
NOTE	GraffitiSuiteInstances As Dictionary is no longer required in the Session object.
NOTE	All Datepicker language files merged and minified.
NOTE	All classes that require Z-Index calculations now properly account for sheet dialogs as well.
NOTE	jQueryUI switched back to minified version. Oversight in R27 releases.
NOTE	Moment switched back to minified version. Oversight in R27 releases.
NOTE	GraffitiWebGridColumn's DecimalPlaces property has been renamed to DecimalPlacesMax.
NOTE	GraffitiWebHTMLEditor bumped to version 2.0 using QuillJS version 1.3.6
NOTE	GraffitiWebPagination's Active WebStyle must appear in the project inspector below the style used for StyleButtonText for proper display.
NOTE	GraffitiWebSignature upgraded to version 3.0.0-beta3 of signature_pad library.

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