NoteScript

The purpose of this document is to instruct a user in how to author a NoteScript.

“Notes” are a special section of the app. Rather than being a static UI, the “Notes” section is dynamically created by reading a NoteScript.

NoteScripts utilize XML and a XAML-like syntax, so a familiarity with XML/XAML will allow a user to quickly begin creating notes.

Useful Links:

XML: <http://www.w3schools.com/xml/xml_whatis.asp>

XAML: <http://msdn.microsoft.com/en-us/library/ms752059(v=vs.110).aspx>

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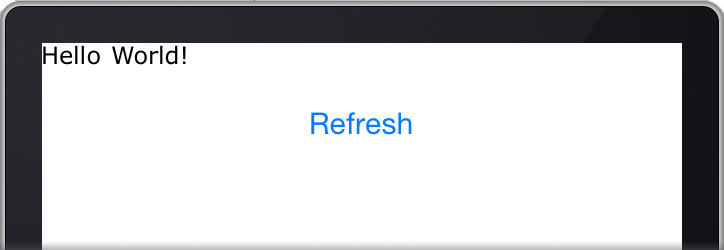
## Note Script Overview

The NoteScript is an XML document utilizing XAML-like syntax that instructs the appin how to build the UI to be seen in its “Notes” section.

Consider the following Note Script:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml"> |
|  |
| <Paragraph>Hello World!</Paragraph> |
|  |
| </Note> |

This would result in a native UI page that simply displayed “Hello World” in the upper left corner of the screen, as seen in the following figure.



The specifics will be detailed below, but this illustrates the concept that the Note Script is parsed and a dynamic UI is built from it.

## Script Basics

To begin writing a Note Script, there are several requirements. These requirements can be seen in the sample above, repeated again here.

|  |
| --- |
| **1. <?xml version="1.0" encoding="UTF-8"?>** |
| **2. <Note StyleSheet="http://www.hosting.com/style.xml">** |
|  |
| **3. </Note>** |

1. The first requirement is simply a standard XML tag stating that the document will be in the XML format.

2. The second requirement is the root element <Note>. The Note Script contents will all be within the <Note> element.

The <Note> element contains one required Attribute, ‘StyleSheet’. This

sheet describes the default style for controls, and is required. It is discussed later in this document.

3. The last declaration in a Note Script should be the closing </Note> element tag.

## Designing a Note Script

Note Scripts can be designed similar to how an HTML document with CSS is designed. (Note that neither HTML nor CSS are supported.) Using built-in controls and containers, a user can layout a page that matches a desired design.

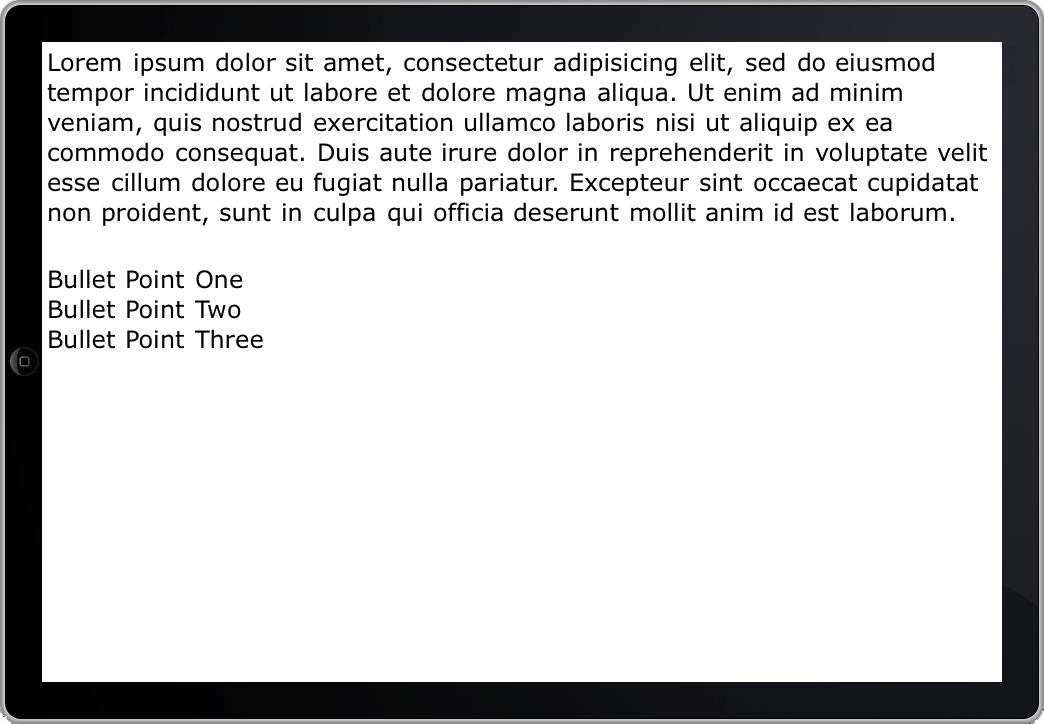
Let’s assume you were handed the following document and asked to create a Note that matched its design.



Looking at the design above, the Note Script below is authored.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml"> |
|  |
| <Paragraph>  Lorem ipsum dolor sit amet, consectetur adipisicing elit,  sed do eiusmod tempor incididunt ut labore et dolore  magna aliqua. Ut enim ad minim veniam, quis nostrud  exercitation ullamco laboris nisi ut aliquip ex ea commodo  consequat. Duis aute irure dolor in reprehenderit in  voluptate velit esse cillum dolore eu fugiat nulla pariatur.  Excepteur sint occaecat cupidatat non proident, sunt in  culpa qui officia deserunt mollit anim id est laborum.  </Paragraph>  <Paragraph>Bullet Point One</Paragraph>  <Paragraph>Bullet Point Two</Paragraph>  <Paragraph>Bullet Point Three</Paragraph> |
| </Note> |

When the app runs and parses the above Note Script, the result would be a Note similar to the image below.



Notice that the layout very closely matches the original design requirement.

## Style Sheet

Now that the Note Script concept has been established, it is critical to understand the various components that create the design.

The **StyleSheet** attribute of the **<Note>** element defines the Style sheet to use.

A style sheet is also an XML with XAML-like syntax, and describes the default behavior of various controls. It is important to note that any control setting its own behaviors will override these defaults.

Here is an example style sheet:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Styles> |
| <Note BackgroundColor="0xFFFFFFFF"/> |
| <Text FontName="Verdana" FontSize="12" FontColor="0x000000FF"/> |
| </Styles> |

This style sheet specifies that the background color of the note should be black**,**

text should be white, and it should use the Verdana font and a point size of 12.

A complete list of supported Elements and Attributes can be found in the [**Control Reference**](#_Control_Reference) section.

A complete list of available Fonts can be found in the [**Appendix**](#_Available_Fonts_1).

### Assigning a Style Sheet to a Note Script

Style sheets are assigned to a Note Script via the StyleSheet attribute in the <Note> element

as follows:

|  |
| --- |
| <Note StyleSheet=”URL\_TO\_STYLE\_SHEET”> |

Style Sheets must be referenced via URL and cannot be embedded in the Note Script.

**Note:** The URL can be relative, rather than absolute. In this case, the **HostDomain** value from the **NoteDB** will be prefixed. (**NoteDB** and **HostDomain** are described in the Series Documentation.)

Example:

|  |
| --- |
| <Note StyleSheet=”xml/styleSheet.xml”> |

This would result in **HostDomain** being prefixed to the URL. This allows notes to be moved around more easily without having to then update every single note.

## Controls and Behaviors

Controls (and containers) are at the heart of Note Script, and allow content to be defined and positioned.

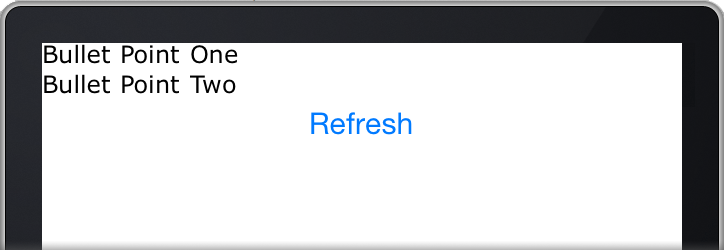
A complete list of controls and their supported Attributes and Elements can be found in the [**Control Reference**](#_Control_Reference_1)**.**

The <Note> element itself represents a blank canvas with basic vertical placement logic. As elements are added, they are naturally placed in a vertical stack.

Example:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml"> |
| <Paragraph>Bullet Point One</Paragraph>  <Paragraph>Bullet Point Two</Paragraph>  </Note> |

The resulting Note would look as follows.



## Positioning, Padding and Child Controls

When designing anything but the most basic Note, it will quickly become necessary to position controls, set padding and place controls within controls (child controls.)

There are multiple ways to accomplish these things. Each will be covered here.

### Positioning

Positioning a control is accomplished with the Attributes Left or Right and Top or Bottom. For a full list of attributes supported by each control, see the [**Control Reference**](#_Control_Reference_3).

A position can be specified in either pixels or percentage of parent width. Positioning is always relative to the control’s parent.

**Pixels**

Consider a <Paragraph> that is a child of <Note>.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml"> |
| <Paragraph **Left=”25”**>Some Example Text</Paragraph>  </Note> |

The <Paragraph> would be placed 25 pixels from the left edge of its parent.

Now consider the same <Paragraph> as a child of a **<StackPanel>** that has been placed 25 pixels to the left of its parent’s edge. (A **<StackPanel>** works like a note in placing objects in a vertical stack. More information can be found in the [**Control Reference**](#_Control_Reference_5).)

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <StackPanel **Left=”25”**> |
| <Paragraph **Left=”25”**>Some Example Text</Paragraph>  </StackPanel>  </Note> |

This <Paragraph> would be placed 25 pixels from the left edge its parent.

However, because <StackPanel> is 25 pixels from *its*parent, this would result in the <Paragaph> being a total of 50 pixels from the left edge of the Note.

**Percentage**

Another way to position controls is with percentages. Percentages allow “relative” layouts and work better when a Note will be displayed on devices with varying screen sizes.

Percentages are denoted with a ‘%’ symbol and are in terms of the parent’s width or height.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml"> |
| <Paragraph **Left=”10%”**>Some Example Text</Paragraph>  </Note> |

This <Paragraph> would be placed 10% of the parent’s width to the left. For example, if the parent were 100 pixels wide, this would result in <Paragraph> being 10 pixels from its parent’s left edge.

Right and Bottom attributes place the object’s **right** or **bottom** side *n* units from the parent’s **right** or **bottom** side.

**Note:** Left and Right are mutually exclusive and cannot be used together.

**Note:** Top and Bottom are mutually exclusive and cannot be used together.

**Margins**

In containers that use relative positioning (such as a <StackPanel> and the <Note> itself), it makes more sense to think of the child controls as being given a Margin rather than a position. Consider the following example:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <StackPanel> |
| <Paragraph>Some Example Text</Paragraph>  <Paragraph **Top=”10”**>Some Example Text</Paragraph>  </StackPanel>  </Note> |

This would result in two lines of text, the second being 10 pixels below the paragraph below it. While this works, the syntax is confusing. Is Top referring to the top of the <StackPanel>? Or the amount of space between the control’s top and its sibling’s bottom.

In this case, it is the latter. The second paragraph will have its top positioned 10 pixels below the first paragraph.

For situations like this, it makes more sense to use “**MarginTop**”.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <StackPanel> |
| <Paragraph>Some Example Text</Paragraph>  <Paragraph **MarginTop=”10”**>Some Example Text</Paragraph>  </StackPanel>  </Note> |

This clearly expresses that the control will be positioned below its sibling, but with an additional 10 pixels.

Now consider an example where it **would** make sense to use absolute positioning. A <Canvas> object.

(This object places child controls in absolute coordinates relative to itself. More information can be found in the [**Control Reference**](#_Control_Reference_5).)

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <Canvas> |
| <Paragraph>Some Example Text</Paragraph>  <Paragraph **Top=”10”**>Some Example Text</Paragraph>  </Canvas>  </Note> |

Since a <Canvas> places everything absolutely, MarginTop would not be appropriate, because controls are not placed relative to each other. Instead, this clearly shows that the second paragraph will be 10 pixels from the top of the <Canvas>.

A good rule of thumb is: For containers utilizing relative positioning, child controls should use Margins. For containers utilizing absolute positioning, child controls should not use Margins.

**Global Margins**

If you wish to set margins for all sides, simply use the attribute “Margin=”. By not specifying a specific side, it will apply the margin to all sides.

### Padding

Padding allows a control to state “No content should be closer than *n* units” from a given edge. For example:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note **PaddingLeft=”10”** StyleSheet="http://www.hosting.com/style.xml"> |
| <Paragraph>Some Example Text</Paragraph>  </Note> |

Normally the <Paragraph> would be at the edge of <Note>. However, because the padding specifies 10 pixels, the <Paragraph> will be 10 pixels from the left edge of the <Note>.

**Padding reduces the available width of child controls.** This means that if the <Note> in the above example were 100 pixels wide, its child controls would only have 90 pixels to fit within. This is desirable behavior as it prevents controls from “bleeding” outside their boundaries.

**Pixels vs Percentage**

As with positioning, padding can be specified in pixels or percentage.

**Global Padding**

If you wish to set padding for all sides, simply use the attribute “Padding=”. By not specifying a specific side, it will apply the padding to all sides.

### Child Controls

The Note Script is designed to be intuitive and consistent with HTML / XML behavior. This means that if a control is inside another control, it is considered a child of the higher-level control.

There are limits to which controls support children. For a complete listing, see the [**Control Reference**](#_Control_Reference_4).

**Inheritence**

Child controls inherit their parent’s attributes. For example, if a parent control specifies a particular Font, all children will use that Font unless specifically overridden.

Consider the following example:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <StackPanel **FontName=”Verdana”**> |
| <Paragraph>Some Example Text</Paragraph>  <Paragraph **FontName=”Helvetica”**>Some Example Text</Paragraph>  </StackPanel>  </Note> |

The first <Paragraph> would use Verdana, as it is a child of <StackPanel> and does not specify a Font to use.

The second <Paragraph> would use Helvetica because it specifically requested it.

For a complete list of Fonts available, see the [**Appendix**](#_Available_Fonts).

If an attribute is not specified in a control or any of its parents, it defaults to the StyleSheet.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <StackPanel> |
| <Paragraph>Some Example Text</Paragraph>  <Paragraph>Some Example Text</Paragraph>  </StackPanel>  </Note> |

In this example, both <Paragraph> controls would use the values set to the <Paragraph> in StyleSheet.

## Border Appearance

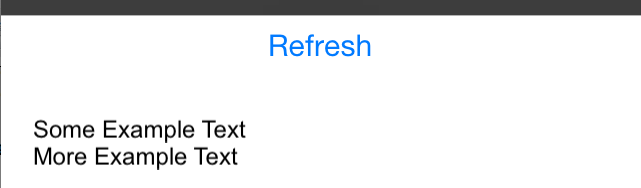
### Borders

It may be desirable to add some contrast or draw attention to a particular control by outlining it with a border. The Border attributes allow exactly this.

Consider the following example:

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <Paragraph>Some Example Text</Paragraph>  <Paragraph>More Example Text</Paragraph> |
| </Note> |

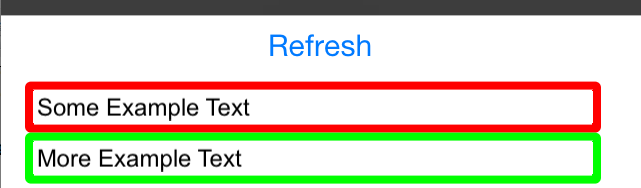
Will result in the following Note.



Now consider the same example, but with borders added for contrast.

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?> |
| <Note StyleSheet="http://www.hosting.com/style.xml">  <Paragraph BorderWidth=”4” BorderColor=”#FF0000FF” BorderRadius=”3”>  Some Example Text  </Paragraph>  < Paragraph BorderWidth=”4” BorderColor=”#00FF00FF” BorderRadius=”3”>  More Example Text  </Paragraph> |
| </Note> |

The above would produce a Note like the following:



Borders can be applied to virtually any control. See the [**Control Reference**](#_Control_Reference_6) for a detailed list of which controls support borders.

## Control Reference

### StyleSheet

Summary: An XML file containing default attributes for various controls.

Style sheets consist only of root-level elements with attributes specifying defaults.

Following are the supported elements and their supported attributes.

**Note**

TextCase

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

BackgroundColor

FontName, FontSize, FontColor

Alignment

FullWidthHeader

**Paragraph**

TextCase

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

BorderWidth, BorderRadius, BorderColor

FontName, FontSize, FontColor

Alignment

**RevealBox**

TextCase

BackgroundColor

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**TextInput**

TextCase

BackgroundColor, TextInputBackgroundColor

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

**Quote**

TextCase

BackgroundColor

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

**Text**

TextCase

BackgroundColor

FontName, FontSize, FontColor

**Header.Container**

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

Alignment

**Header.Title**

**Header.Date**

**Header.Speaker**

TextCase

FontName, FontSize, FontColor

Alignment

**List**

TextCase

Indentation

BulletPoint

FontName, FontSize, FontColor

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**ListItem**

TextCase

FontName, FontSize, FontColor

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

### StackPanel

Summary: Container control that places children in a vertical stack.

Supported Attributes:

*Positioning*

Left, Top,

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment, ChildAlignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

Debug

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Supported Elements:

StackPanel

Canvas

Paragraph

RevealBox

Quote

TextInput

Header

List

### RevealBox

Summary: Displays text that is hidden until a user taps on it.

Supported Attributes:

*Content*

Text

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Spacing & Alignment*

Alignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

Debug

Supported Elements:

Text

### Canvas

Summary: Container control that places children in absolute coordinates relative to the Canvas.

Supported Attributes:

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment, ChildAlignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Debug

Supported Elements:

Canvas

StackPanel

Paragraph

RevealBox

Quote

TextInput

Header

### List

Summary: Displays items in a “list” fasion, with bullet pointed or numbered items and indentation.

Supported Attributes:

*Custom*

Indentation

BulletPoint

Type

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment

**Note:** Children do not inherit alignment value.

*Appearance*

TextCase

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Debug

Supported Elements:

ListItem

### NoteText

Summary: Displays text that can support unique attributes within a paragraph.

(Since raw text can be used in a Paragraph, <NoteText> allows altering the appearance of specific

text in the Paragraph.)

Supported Attributes:

*Custom*

Underlined

*Content*

Text

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Spacing & Alignment*

Alignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

Debug

Supported Elements:

Text

### Canvas

Summary: Container control that places children in absolute coordinates relative to the Canvas.

Supported Attributes:

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment, ChildAlignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Debug

Supported Elements:

Canvas

StackPanel

Paragraph

RevealBox

Quote

TextInput

Header

### List

Summary: Displays items in a “list” fasion, with bullet pointed or numbered items and indentation.

Supported Attributes:

*Custom*

Indentation

BulletPoint

Type

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment

**Note:** Children do not inherit alignment value.

*Appearance*

TextCase

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Debug

Supported Elements:

ListItem

### Quote

Summary: Displays quoted text with word wrapping and a citation.

Supported Attributes:

*Custom*

Citation

Url

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding,PaddingLeft, PaddingTop, PaddingRight, PaddingBottom, Padding

Alignment

*Apperance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

Debug

Supported Elements

None

### ListItem

Summary: A container for an entry in a list.

**Note:** ListItems support very few attributes. If you wish to alter the layout,

put a supported containing element as a child and set its attributes.

Supported Attributes:

*Positioning*

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

*Appearance*

TextCase

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Supported Elements:

Canvas

StackPanel

Paragraph

RevealBox

Quote

TextInput

List

Header

### Paragraph

Summary: Container control that places text in a paragraph format with word wrapping.

Supported Attributes:

*Custom*

Url

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding, PaddingLeft, PaddingTop, PaddingRight, PaddingBottom

**Note:** Children **do not** inherit padding values.

Alignment, ChildAlignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BackgroundColor

BorderWidth, BorderRadius, BorderColor

**Note:** Children **do not** inherit border values.

Debug

Supported Elements:

RevealBox

NoteText

If you wish to **bold** *italicize* underline or otherwise make text in a paragraph stand out,

you can insert a <NoteText></NoteText> control inline which will use whatever

attributes you set.

For example:

<P>This paragraph has <NoteText FontName=”OpenSans-Bold”>bold</NoteText> text

inside of it.</P>

Would produce:

This paragraph has **bold** text inside of it.

Another example:

<P> This paragraph has <NoteText Underlined=”True”>underlined</NoteText> text

inside of it.</P>

Would produce:

This paragraph has underlined text inside of it.

### TextInput

Summary: Displays an interactive text field with placeholder text.

Supported Attributes:

*Custom*

Placeholder

*Content*

Text

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Alignment

*Appearance*

TextCase

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

BackgroundColor

TextInputBackgroundColor

Debug

Supported Elements:

### Header

Summary: Displays a Title, Speaker and Date with a built in layout.

Supported Attributes:

*Positioning*

Left, Top

Margin, MarginLeft, MarginTop, MarginRight, MarginBottom

**Note:** Children **do not** inherit margin values.

*Sizing*

Width

*Spacing & Alignment*

Padding,PaddingLeft, PaddingTop, PaddingRight, PaddingBottom, Padding

Alignment

*Apperance*

TextCase (Header.Title, Header.Speaker and Header.Date only)

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

Debug

Supported Elements

Title, Speaker, Date

### Header Elements (Title, Speaker, Date)

Summary: The individual elements that comprise a header.

Supported Attributes:

*Positioning*

Left, Top

*Sizing*

Width

*Spacing & Alignment*

Alignment

*Apperance*

TextCase (Header.Title, Header.Speaker and Header.Date only)

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

Debug

Supported Elements:

### UserNote

Summary: Displays a floating text box that a user can add custom text notes into.

*Appearance*

TextCase

FontName, FontSize, FontColor

BorderWidth, BorderRadius, BorderColor

BackgroundColor

TextInputBackgroundColor

### Attribute Values

Attributes support only certain types of values. Each attribute and its supported value are listed here.

**Appearance**

TextCase – “Upper”, “Lower”, “Normal”

Ex: TextCase=”Upper”

FontName – Legal Font Name.

Ex: FontName=”Bevan”

FontSize – Point size for the font.

Ex: FontSize=”16”

FontColor – RGBA color for in Hexidecimal format.

Ex: FontColor=”#RRGGBBAA”

BackgroundColor - RGBA color in Hexidecimal format.

Ex: BackgroundColor=”#RRGGBBAA”

TextInputBackgroundColor - RGBA color in Hexidecimal format.

Ex: TextInputBackgroundColor=”#RRGGBBAA”

Debug – True or False value

Ex: Debug=”True”

BorderWidth – Numeric pixel value.

Ex: BorderWidth=”2”

BorderRadius – Numberic pixel value.

Ex: BorderRadius=”4”

BorderColor – RGBA color in Hexidecimal format.

Ex: BorderColor=”#RRGGBBAA”

**Custom**

Note: Custom refers to attributes used only by certain controls.

Note

FullWidthHeader – True or False value *Allows the header to ignore Note Padding, spanning the entire width of the screen.*

Ex: FullWidthHeader=”True”

List

Indentation – Numeric pixel or percentage value.

Ex: Indentation=”50” or Indentation=”50%”

BulletPoint – A Unicode UTF-8 character.

Ex: BulletPoint=”☛”

Type – “Numbered” or “Bullet”

Ex: Type=”Numbered”

TextInput

Placeholder – A text string.

Ex: Placeholder=”Tap to enter text here”

NoteText

Underlined – “True”, “False”

Ex: Underlined=”True”

Quote

Citation – A text string.

Ex: Citation=”Steve Jobs, 1996”

Quote & Paragraph

Url – A valid website URL.

Ex: Url=”https://www.bible.com/bible/97/jhn.1.msg”

*When a control has a URL, an embedded browser will be launched when the user taps*

*on the control.*

**Positioning**

Left, Top – Numeric pixel or percentage value.

Ex: Left=”50” or Left=”50%”

MarginLeft, MarginTop, MarginRight, MarginBottom – Numeric pixel or percentage value.

Ex: MarginLeft=”50” or MarginLeft=”50%”

**Sizing**

Width – Numeric pixel or percentage value.

Ex: Width=”50” or Width=”50%”

**Spacing & Alignment**

Alignment, ChildAlignment – “Left”, “Center” or “Right”

Ex: Alignment=”Center”

PaddingLeft, PaddingTop, PaddingRight, PaddingBottom – Numeric pixel or percentage value.

Ex: PaddingLeft=”50” or PaddingLeft=”50%”

## Appendix

### Available Fonts

The following fonts are available on both Android and iOS and are free to use.

Bevan

ChangaOne-Italic

ChangaOne-Regular

DroidSerif-Bold

DroidSerif-BoldItalic

DroidSerif-Italic

DroidSerif

Merriweather-Black

Merriweather-Bold

Merriweather-BoldItalic

Merriweather-HeavyItalic

Merriweather-Italic

Merriweather-Light

Merriweather-LightItalic

Merriweather-Regular

Montserrat-Bold

Montserrat-Regular

OpenSans-Bold

OpenSans-BoldItalic

OpenSans-ExtraBold

OpenSans-ExtraBoldItalic

OpenSans-Italic

OpenSans-Light

OpenSans-LightItalic

OpenSans-Regular

OpenSans-Semibold

OpenSans-SemiboldItalic

PassionOne-Black

PassionOne-Bold

PassionOne-Regular

Quicksand-Bold

Quicksand-Light

Quicksand-Regular

RobotoCondensed-Bold

RobotoCondensed-BoldItalic

RobotoCondensed-Italic

RobotoCondensed-Light

RobotoCondensed-LightItalic

RobotoCondensed-Regular

RobotoSlab-Bold

RobotoSlab-Light

RobotoSlab-Regular

RobotoSlab-Thin

### Samples

[simple.xml](Samples/simple.xml) – A straight forward example NoteScript that illustrates how to use all controls in various ways.

[sample\_note.xml](Samples/sample_note.xml) – A practical example NoteScript that generates a Note used for a weekend worship service.

[sample\_style.xml](Samples/sample_style.xml) – A sample style sheet used by both sample\_note.xml and simple.xml.