Alexa Presentation Language (APL) – Events

Document & Built-in Components

Base Component (BC)

actions
handleTick
onMount
onCursorEnter
onCursorExit

Actionable Component (AC)

onFocus
onBlur
handleKeyDown
handleKeyUp

Multi-Child Component (MC)

Touchable Component (TC)

gestures onPress onDown onUp onMove onCancel

Document

onMount onConfigChange onDisplayStateChange

Container → (BC, MC)

EditText \rightarrow (AC, BC)

onTextChange onSubmit

Frame \rightarrow (BC)

GridSequence → (AC, BC, MC)

onScroll

Image → (BC)

onLoad onFail

Pager \rightarrow (AC, BC, MC)

onPageChanged

ScrollView \rightarrow (AC, BC)

onScroll

Sequence \rightarrow (AC, BC, MC)

onScroll

Text \rightarrow (BC)

TouchWrapper → (AC, BC, TC)

VectorGraphic → (AC, BC, TC)

onLoad onFail

Video → (BC)

onPlay onPause onEnd onTimeUpdate onTrackReady onTrackUpdate onTrackFail

Alexa Presentation Language (APL) – Events Gestures

DoublePress

onDoublePress onSinglePress

LongPress

onLongPressStart onLongPressEnd

SwipeAway

onSwipeMove onSwipeDone

Tap

onTap

Alexa Presentation Language (APL) – Events

Responsive Components (Composite Components)

AlexaButton

primaryAction

AlexaCheckbox

primaryAction

AlexaHeader

headerBackButtonCommand

AlexalconButton

primaryAction

AlexalmageListItem

primaryAction

AlexaRadioButton

primaryAction

AlexaSlider

handleKeyDownCommand onBlurCommand onDownCommand onFocusCommand onMoveCommand onUpCommand

AlexaSliderRadial

onDownCommand onMoveCommand onUpCommand

AlexaSwipeToAction

button1Command button2Command onButtonsHiddden onButtonsShown onSwipeDone onSwipeMove primaryAction

AlexaSwitch

primaryAction

AlexaTextListItem

primaryAction

AlexaTransportControls

primaryControlPauseAction primaryControlPlayAction secondaryControlsLeftAction secondaryControlsRightAction

No Events:

- AlexaBackground
- AlexaDivider
- AlexaFooter
- Alexalmage
- AlexaOrdinal
- AlexaPageCounter
- AlexaProgressBar
- AlexaProgressBarRadial
- AlexaProgressDots
- AlexaRating



Alexa Presentation Language (APL) – Events Responsive Templates

AlexaDetail

button1PrimaryAction button2PrimaryAction headerBackButtonCommand

AlexaGridList

headerBackButtonCommand primaryAction

AlexaHeadline

headerBackButtonCommand

AlexalmageList

headerBackButtonCommand primaryAction

AlexaLists

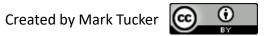
headerBackButtonCommand primaryAction

AlexaPaginatedList

headerBackButtonCommand primaryAction

AlexaTextList

headerBackButtonCommand primaryAction



Alexa Presentation Language (APL) – Commands (1 of 2)

Common Properties – All Commands

* type: String

description: String delay: Integer

screenLock: Boolean sequencer: String when: Boolean

Standard Commands

AnimateItem

* duration: Integer

* value: Array of animated props

componentld: String

easing: Enum

repeatCount: Integer repeatMode: Enum

AutoPage

componentld: String

count: Integer duration: Integer

ClearFocus

Finish

Idle

OpenURL

* source: String

onFail: Array of Commands

Parallel

* commands: Array of Commands

Reinflate

Scroll

componentld: String distance: Number

ScrollToComponent

componentld: String

align: Enum

ScrollToIndex

* index: Integer componentId: String

align: Enum

Select

* commands: Array of Commands

data: Array

otherwise: Array of Commands

SendEvent

arguments: Array of objects components: Array of strings

Alexa Presentation Language (APL) – Commands (2 of 2)

Sequential

* commands: Array of Commands

catch: Array of Commands finally: Array of Commands

repeatCount: Integer

SetFocus

componentld: String

SetPage

* value: Integer componentId: String position: Enum

SetState (deprecated)

SetValue

* property: String* value: String

componentld: String

SpeakItem

componentld: String

align: Enum

highlightMode: Enum

minimumDwellTime: Integer

SpeakList

* count: Integer * start: Integer componentId: String

align: Enum

minimumDwellTime: Number

Media Commands

PlayMedia

* source: URL or Source array componentld: String

audioTrack: Enum

ControlMedia

* command: Enum componentId: String

value: Integer

User-Defined Command

* commands: Array of Commands

parameters: Array of params

description: String

