

Watson Dialog Library API

This document is an application programming interface for the Watson Dialog Library. The Watson Dialog Library consists of 4 components: NumberPad, StringPad, Selector, and Alert.

NumberPad

The number insertion pad class consists of a dialog box that represents the Watson Number Pad.

Functions

`open(minValue, maxValue, titleStr, instructStr, decimalAllowed, base, callbackFunc)`

Description: Opens the number pad dialog box.

Dialog Functionalities:

- If *Okay* is pressed, the dialog closes and the callback function is called within the calling class with the numeric value passed as the first and only parameter.
- If *Clear* is pressed, the number pad's content is cleared from the input bar.
- If *Cancel* is pressed, the dialog closes and the callback function is called with *null* passed as the only and only parameter.

Parameter Specifications:

- *minValue*: A number specifying the minimum value to be accepted. If null, no minimum value will be used.
- *maxValue*: A number specifying the maximum value to be accepted. If null, no maximum value will be used.
- *titleStr*: A string specifying the title of the dialog.
- *instructionStr*: A string specifying the user instruction.
- *decimalAllowed*: A boolean value specifying whether or not decimals are allowed.
- *base*: A number specifying the base number system. The supported bases are 10 and 16; 10 opens a decimal number pad while 16 opens a hex number pad.
- *callbackFunc*: A function that the dialog will call (inside the calling class) with the numeric inputted value when the user clicks *Enter*. The numeric value will be the first and only parameter.

StringPad

The string insertion pad class consists of a dialog box that represents the Watson String Pad.

Functions

`open(titleStr, instructStr, callbackFunc)`

Description: Opens the string insertion pad dialog box.

Dialog Functionalities:

- If *Okay* is pressed, the dialog closes and the callback function is called within the calling class with the string value passed as the first and only parameter.
- If *Clear* is pressed, the number pad's content is cleared from the input bar.
- If *Cancel* is pressed, the dialog closes and the callback function is called with *null* passed as the only and only parameter.

Parameter Specifications:

- *minValue*: A number specifying the minimum value to be accepted. If null, no minimum value will be used.
- *maxValue*: A number specifying the maximum value to be accepted. If null, no maximum value will be used.
- *titleStr*: A string specifying the title of the dialog.
- *instructionStr*: A string specifying the user instruction.
- *decimalAllowed*: A boolean value specifying whether or not decimals are allowed.
- *callbackFunc*: A function that the dialog will call (inside the calling class) with the inputted string value when the user clicks *Enter*. The string value will be the first and only parameter.

Selector

The selector class consists of a dialog box that represents the Watson Selector.

Functions

`open(titleStr, options, callbackFunc)`

Description: Opens the selector dialog box.

Dialog Functionalities:

- If *Okay* is pressed, the dialog closes and the callback function is called with the selected item as the one and only parameter.
- If *Cancel* is pressed, the dialog closes and the callback function is called with *null* as the one and only parameter.

Parameter Specifications:

- *titleStr*: A string specifying the title of the dialog.
- *options*: An array of strings specifying the options the user will be able to choose from.
- *callbackFunc*: A function that the dialog will call (inside the calling class) with the selected value when the user clicks *Enter*. The string value will be the first and only parameter.

Alert

The Alert class consists of a dialog box that represents the Watson Alert Dialog.

Functions

`open(titleStr, message, warning, callbackFunc)`

Description: Opens the alert dialog box.

Dialog Functionalities:

- If *warning* is true, only the *Okay* button will be present
 - If *Okay* is pressed, the dialog closes and the callback function is called with *null* as the one and only parameter.
- If *warning* is false, only the *Proceed* and *Cancel* buttons will be present
 - If *Proceed* is pressed, the dialog closes and the callback function is called with *true* as the one and only parameter.
 - If *Cancel* is pressed, the dialog closes and the callback function is called with *false* as the only and only parameter.

Parameter Specifications:

- *titleStr*: A string specifying the title of the dialog.
- *message*: A string specifying the message the dialog box will display to the user.
- *warning*: A boolean value that controls whether the dialog will be just an alert or a warning prompt. If *warning* is *true*, the dialog will be a warning prompt. If *warning* is *false*, the dialog is just an alert.
- *callbackFunc*: A function that the dialog will call (inside the calling class) with the result (null, true, or false) when the user clicks *Enter*. The result will be the first and only parameter.