Alpaca UiPath Form Builder Library Documentation

This document describes the Alpaca UiPath Form Builder library built to allow users of Studio to more easily build web forms.

Prerequisites

This library itself includes UiPath.System.Activities, UiPath.UiAutomation.Activities, and UiPath.WebAPI.Activities.

Activities

The following section describes activities that are available for use in projects which include this library.

StartForm

The StartForm activity is used to begin building a form that is created using control activities that are specified in UiPath Studio.

The following table describes the activities' arguments:

Argument Name	Type	Description
FormTitle	In String	This is the form's title. It affects the title shown when the form is selected by the user and the caption of the navigation element that the end user can use to select the form.
LayoutTemplate	In String	The layout for a row of controls. The default is a two-column layout with the first column named "column-1" and the second column "column-2".
SubmitButtonText	In String	The caption of the text on the submit button for the form.
SubmitButtonStyle	In String	The Bootstrap style used on the submit button. The default is "btn btn-primary btn-lg".
FormPayload	In/Out Dictionary <string,object>	This is a dictionary object output by the process. Any controls added to this form should use this payload.

RenderForm

The RenderForm activity is used to render 1 or more forms (writing them to a file) that were created using control activities that are specified in UiPath Studio.

The following table describes the activities' arguments:

Argument Name	Type	Description
FormPayloads	Array of Dictionary <string, object>	This is an array of form payloads to be rendered. Form payloads are created initially using the "Start Form" activity and new controls can be associated with them. RenderForm can render one or more forms (hence this is an array argument). Multiple forms are shown as tabs at the top of the page.

FooterHTML	In String	Footer HTML to be displayed on the rendered page.
IncludeAlpaca	In String	The HTML used to include the Alpaca javascript library. The default points to working source on the internet.
IncludeJQuery	In String	The HTML used to include the JQuery javascript library. The default points to working source on the internet.
IncludeBootstrap	In String	The HTML used to include the JQuery javascript and CSS libraries. The default points to working source on the internet.
IncludeHandlebars	In String	The HTML used to include the Handlebar javascript library. The default points to working source on the internet.
IncludeJQueryUI	In String	The HTML used to include the JQueryUI javascript library. The default points to working source on the internet. This is needed for the date, datetime, and time controls.
IncludeDateTimePicker	In String	The HTML used to include the datepicker javascript library. The default points to working source on the internet. This is needed for the date, datetime, and time controls.
IncludeCurrency	In String	The HTML used to include the currency javascript library. The default points to working source on the internet. This is needed for the currency control.
IncludeColorPicker	In String	The HTML used to include a color picker javascript library. The default points to working source on the internet. This is needed for the "color picker" control.
IncludeColor	In String	The HTML used to include a color javascript library. The default points to working source on the internet. This is needed for the "color" control.
IncludeSelect	In String	The HTML used to include the select javascript library. The default points to working source on the internet. This is needed for the "select" control.
IncludeCKEditor	In String	The HTML used to include the CK Editor javascript library. The default points to working source on the internet. This is needed for the "ck editor" control.
IncludeSummerNoteEditor	In String	The HTML used to include the Summernote Editor javascript library. The default points to working source on the internet. This is needed for the "Summernote Editor" control.
LogoHTML	In String	The HTML rendered to display the logo on the page.
OutFilePath	In String	The path to which to write the HTML file.
SubmitClick	In String	The javascript called when the submit button is pressed. The default does the right things for the UiPath "Custom Input" activity.

BuildFormVisually

The BuildFormVisually activity is used to begin building a form using a visual form builder.

The following table describes the activities' arguments:

Argument Name	Type	Description
sResult	In/Out String	The JSON result brought back from the form. Using the other form building method, this is equivalent to the "payload".

RenderVisuallyBuiltForms

The RenderVisuallyBuiltForms activity is used to render a form (writing it to a file) that was created using the "BuildFormVisually" activity.

The arguments are the same as the "RenderForm" activity with the following exception:

Argument Name	Type	Description
FormPayload	In String	In this case, the payload is a string returned by the "BuildFormVisually" activity.

ctrlCheckBox

The ctrlCheckBox activity allows the user to create a checkbox on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/checkbox.html

ctrlChooser

The ctrlChooser activity allows the user to create a chooser on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/chooser.html

ctrlCKEditor

The ctrlCKEditor activity allows the user to create a CK Editor on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/ckeditor.html

ctrlColor

The ctrlColor activity allows the user to create a color picker on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/color.html

ctrlColorPicker

The ctrlColorPicker activity allows the user to create another type of color picker on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/colorpicker.html

ctrlCountry

The ctrlCountry activity allows the user to create a country dropdown on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/country.html

ctrlDate

The ctrlDate activity allows the user to create a date field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/date.html

ctrlDateTime

The ctrlDate activity allows the user to create a date/time field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/datetime.html

ctrlFile

The ctrlFile activity allows the user to create a file picker on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/file.html

ctrlNumber

The ctrlNumber activity allows the user to create a number field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/number.html

ctrlPassword

The ctrlPassword activity allows the user to create a password field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/password.html

ctrlPickAColor

The ctrlPickAColor activity allows the user to create another type of color picker on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/pickacolor.html

ctrlRadio

The ctrlRadio activity allows the user to create a radio button set on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/radio.html

ctrlSelect

The ctrlSelect activity allows the user to create a select control (dropdown) on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/select.html

ctrlState

The ctrlState activity allows the user to create a state dropdown on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/state.html

ctrlSummernoteEditor

The ctrlSummernoteEditor activity allows the user to create a summernote (rich text) editor on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/summernote.html

ctrlTextArea

The ctrlTextArea activity allows the user to create a text area field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/textarea.html

ctrlTextField

The ctrlTextField activity allows the user to create a text field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/text.html

ctrlTextFieldEmail

The ctrlTextFieldEmail activity allows the user to create an email text field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/email.html

ctrlTextFieldPhone

The ctrlTextFieldPhone activity allows the user to create a phone text field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/phone.html

ctrlTextFieldURL

The ctrlTextFieldURL activity allows the user to create a URL text field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/url.html

ctrlTextFieldZipCode

The ctrlTextFieldURL activity allows the user to create a zip code text field on a form created using the "StartForm" activity. The activity takes a FormPayload (dictionary<string,object>) as input produced by from the "Start Form" activity.

Additional arguments for this control can be aligned with this documentation from Alpaca:

http://alpacajs.org/docs/fields/zipcode.html