

Ejercicio Build Interfaces Using Expressions – Orlando Sánchez Acuña

Part 1 - Create the Getting Started Objects

ADV Interfaces Practice

IMPORT PACKAGE PACKAGES COMP

ALL OBJECTS PLUG-INS UNREFERENCED OBJECTS

Application Properties

Name * ADV Interfaces Practice **Prefix ?** AIP

Description
Advanced interface creation exercises

Publish application actions in Tempo

Users Group ? Select a group **Administrators Group ?** Select a group

CANCEL

Process Model
 Query Rule
 Record Type
 Report

Create Data Type

- Create from scratch
- Duplicate existing data type
- Create from database table or view
- Import XSD

Namespace *

urn:com:appian:types:AIP

Formatted as a URI, for example 'urn:com:appian:types:COB' for a client onboarding application

Name *

ADV_ItemInventory

Description

Captures the data for each item in the office supply inventory.

CANCEL

CREATE



Name	Type	Length	Array	Key			
id	Number (Integer)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	↑	↓	×
name	Text	255	<input type="checkbox"/>		↑	↓	×
description	Text	255	<input type="checkbox"/>		↑	↓	×
cost	Number (Decimal)		<input type="checkbox"/>		↑	↓	×
sku	Text	255	<input type="checkbox"/>		↑	↓	×
imageid	Number (Integer)		<input type="checkbox"/>		↑	↓	×
inStock	Boolean		<input type="checkbox"/>		↑	↓	×
color	Text	255	<input type="checkbox"/>		↑	↓	×
addedBy	Text	255	<input type="checkbox"/>		↑	↓	×
addedOn	Date		<input type="checkbox"/>		↑	↓	×
lastModifiedBy	Text	255	<input type="checkbox"/>		↑	↓	×
lastModifiedOn	Date		<input type="checkbox"/>		↑	↓	×

Configure Primary Key Constraint

This configuration takes effect when interacting with a data store entity of this data type

Name

id

Key Constraint

None Primary Key

Auto-generate the next unique identifier when new records are written to a data store entity

CANCEL

OK

Create Folder

Type

- Rule Folder
- Process Model Folder
- Document Folder
- Knowledge Center

Folder Name *

ADV Documents and Files

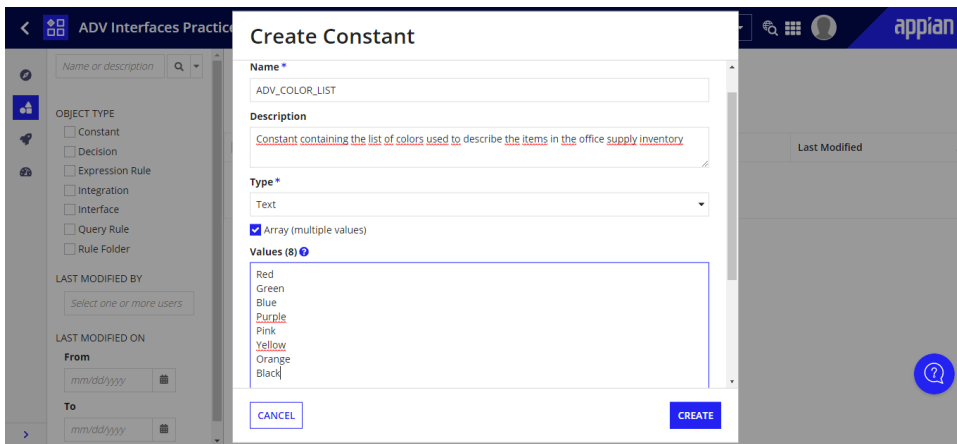
Folder Description

Parent Folder

Select a rule folder

CANCEL

CREATE



Create Constant

ADV_CONS_DOC_FOLDER

Description

Constant pointing to the document folder

Type *

Document or Folder

Array (multiple values)

Value

ADV Documents and Files

Environment Specific

Different environments need to have different values for this constant

Save In *

ADV Constants

Create New Rule Folder

CANCEL CREATE

Part 2 - Build a Basic Interface Using Expressions

Create Interface

Create from scratch Duplicate existing interface

Name *

ADV_AddItemToInventory

Description

Form to add a new item to the product inventory

Save In *

ADV Interfaces

ADV Interfaces

CANCEL

CRE

New Rule Input

Name *

item

Type *

ADV_ItemInInventory

Array (multiple values)

CANCEL

CREATE

ADV_AddItemToInventory

DESIGN MODE EXPRESSION MODE TEST SAVE CHANGES

appian

```
1. a1FormLayout(  
2.   label: "Add item to Inventory",  
3.   contents: {  
4.     a1columnLayout(  
5.       columns: {  
6.         a1columnLayout(  
7.           contents: {  
8.             a1sectionLayout(  
9.               label: "Item Information",  
10.              contents: {}  
11.            )  
12.          }  
13.        )  
14.      }  
15.    )  
16.  )
```

Preview: Add item to Inventory
Item Information

Name	Value
cancel	null
item	null

LOCAL VARIABLES

Open the Learning Center to select a tutorial or video

Add Information Entry Fields and Buttons

ADV_AddItemToInventory DESIGN MODE EXPRESSION MODE TEST SAVE CHANGES appian

INTERFACE DEFINITION

```

50 • primaryButtons: abuttonWidget(
51   label: "submit",
52   submit: true,
53   style: "PRIMARY"
54 ),
55 • secondaryButtons: abuttonWidget(
56   label: "cancel",
57   value: true,
58   saveInto: rliitem.cancel,
59   submit: true,
60   style: "NORMAL",
61   validate: false
62 )
63
64 )

```

albuttonLayout primaryButtons, secondaryButtons, accessibilityText, showWhen
Displays a list of buttons grouped by prominence. Use this layout in cases where prominence needs to be explicitly specified. See [documentation](#) for more details.

primaryButtons (List of ButtonWidget): Array of prominent buttons created with abuttonWidget().

secondaryButtons (List of ButtonWidget): Array of less prominent buttons created with abuttonWidget().

accessibilityText (Text): Additional text to be announced by screen readers. Used only for accessibility; produces no visible change.

showWhen (Boolean): Determines whether the layout is displayed on the interface. When set to false, the layout is hidden and is not evaluated. Default: true.

Preview: Item Information form with fields for Item Name (Balloon), Description (A balloon that can ve filled with air.), Cost (1), and Color (Orange). Buttons: CANCEL, SUBMIT.

RULE INPUTS

Name	Value
cancel	null
item	{id=, name=Balloo...
id	null
name	Balloon
description	A balloon that can...
cost	1
sku	null
imageId	null
inStock	null
color	Orange
addedBy	null
addedOn	null
lastModified...	null
lastModified...	null

ADV_AddItemToInventory DESIGN MODE EXPRESSION MODE TEST SAVE CHANGES appian

INTERFACE DEFINITION

```

39   }
40   }
41   }
42   }
43   }
44   }
45   }
46   }
47   }
48   }
49   }
50   }
51   }
52   }
53   }

```

alcolumnLayout contents: {
 afileUploadField(
 label: "Image Upload",
 labelPosition: "ABOVE",
 target: cons:ADV_CONS_DOC_FOLDER,
 maxSelections: 1,
 value: rliitem.imageId,
 saveInto: rliitem.imageId
)
}

riitem
Type: ADV_ItemInventory

Preview: Item Information form with fields for Item Name (Balloon), Description (A balloon that can ve filled with air.), Cost (1), and Color (Orange). Includes an Image Upload field with a file named "Logo - Pantalla de Bloq...". Buttons: CANCEL, SUBMIT.

RULE INPUTS

Name	Value
cancel	null
item	{id=, name=Balloo...
id	null
name	Balloon
description	A balloon that can...
cost	1
sku	null
imageId	4919
inStock	null
color	Orange
addedBy	null
addedOn	null
lastModified...	null
lastModified...	null

Part 3 - Create and Save Local Variables

ADV_AddItemToInventory DESIGN MODE EXPRESSION MODE TEST SAVE CHANGES appian

INTERFACE DEFINITION

```

46   label: "Image Upload",
47   labelPosition: "ABOVE",
48   target: cons:ADV_CONS_DOC_FOLDER,
49   maxSelections: 1,
50   value: rliitem.imageId,
51   saveInto: rliitem.imageId
52 ),
53 • apickerFieldUsers(
54   label: "Created By",
55   labelPosition: "ABOVE",
56   maxSelections: 1,
57   value: rliitem.addedBy,
58   saveInto: rliitem.addedBy
59 )
60 )

```

riitem
Type: ADV_ItemInventory

Preview: Item Information form with fields for Item Name (Balloon), Description (A balloon that can ve filled with air.), Cost (1), and Color (Orange). Includes an Image Upload field and a Created By field with a dropdown menu. Buttons: CANCEL, SUBMIT.

RULE INPUTS

Name	Value
cancel	null
item	{id=, name=Balloo, d...
id	null
name	Balloon
description	A balloon that can ve ...
cost	1
sku	null
imageId	4919
inStock	null
color	Orange
addedBy	ojsanchez@indracom...
addedOn	null
lastModifiedBy	null
lastModifiedOn	null

ADV_AddItemToInventory DESIGN MODE EXPRESSION MODE TEST SAVE CHANGES appian

INTERFACE DEFINITION

```

1 • alocalVariables(
2   localDefaultUser: loggedInUser(),
3   aformLayout(
4     label: "Add Item to Inventory",
5     contents: {
6       acolumnsLayout(
7         columns: {
8           acolumnLayout(
9             contents: {
10              asectionLayout(
11                label: "Item Information",
12                contents: {
13                  atextField(
14                    label: "Item Name",
15                    required: true;value: rliitem.name,

```

Preview: Item Information form with fields for Item Name (Balloon), Description (A balloon that can ve filled with air.), Cost (1), and Color (Orange). Includes an Image Upload field and a Created By field. Buttons: CANCEL, SUBMIT.

RULE INPUTS

Name	Value
cancel	null
item	{id=, names, descript...
id	null
name	null
description	null
cost	1
sku	null
imageId	null
inStock	null
color	null
addedBy	null
addedOn	null
lastModifiedBy	null
lastModifiedOn	null

LOCAL VARIABLES

Name	Value
defaultUser (1 Item)	{ojsanchez@indracom...

ADV_AddItemToInventory
DESIGN MODE EXPRESSION MODE
TEST SAVE CHANGES
appian

INTERFACE DEFINITION

```

64  )
65  },
66  buttons: abuttonLayout(
67    primaryButtons: abuttonWidget(
68      label: "Submit",
69      submit: true,
70      style: "PRIMARY",
71      saveInto: a!save(r!item.addedBy, localDefaultUser)
72    ),
73    secondaryButtons: abuttonWidget(
74      label: "Cancel",
75      value: true,
76      saveInto: r!cancel,
77      submit: true,
78    )

```

alsave target value

In SAIL saveInto parameters, updates the target with the given value. This function has no effect when called outside of a component's saveInto parameter.

target (List of Save): A local variable, rule input, process variable, or node input in which to save the value. Local variables that refresh on an interval using "refreshInterval" or on every evaluation, either because they are using "refreshAlways" or because they are defined in the with() function, cannot be used as save targets.

value (Any Type): The value to save. The SAIL component's updated value can be accessed using the special variable saveValue.

PREVIEW

asd

Cost *

1

Color *

Orange

Image Upload

UPLOAD Drop file here

Created By

Orlando Sánchez Acuña ✕

CANCEL
SUBMIT

RULE INPUTS

Name	Value
cancel	null
item	[{id=, name=Book, des...
id	null
name	Book
description	asd
cost	1
sku	null
imageId	null
inStock	null
color	Orange
addedBy	ojsanchez@indracom...
addedOn	null
lastModifiedBy	null
lastModifiedOn	null

LOCAL VARIABLES

Name	Value
defaultUser (1 ite...	[ojsanchez@indracom...