

# JSBean

## Property Summary

|         |                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------|
|         | <a href="#">#anchors</a>                                                                                   |
| Number  | Enables a component to stick to a specific side of form and/or to grow or shrink when a window is resized. |
|         | <a href="#">#className</a>                                                                                 |
| String  | The bean class name.                                                                                       |
|         | <a href="#">#enabled</a>                                                                                   |
| Boolean | The enable state of the component, default true.                                                           |
|         | <a href="#">#formIndex</a>                                                                                 |
| Number  | The Z index of this component.                                                                             |
|         | <a href="#">#groupID</a>                                                                                   |
| String  | A String representing a group ID for this component.                                                       |
|         | <a href="#">#height</a>                                                                                    |
| Number  | The height in pixels of the component.                                                                     |
|         | <a href="#">#name</a>                                                                                      |
| String  | The name of the component.                                                                                 |
|         | <a href="#">#printable</a>                                                                                 |
| Boolean | Flag that tells if the component should be printed or not when the form is printed.                        |
|         | <a href="#">#visible</a>                                                                                   |
| Boolean | The visible property of the component, default true.                                                       |
|         | <a href="#">#width</a>                                                                                     |
| Number  | The width in pixels of the component.                                                                      |
|         | <a href="#">#x</a>                                                                                         |
| Number  | The x coordinate of the component on the form.                                                             |
|         | <a href="#">#y</a>                                                                                         |
| Number  | The y coordinate of the component on the form.                                                             |

## Method Summary

|      |                                     |
|------|-------------------------------------|
|      | <a href="#">#getUUID()</a>          |
| UUID | Returns the UUID of this component. |

## Property Details

### anchors

Enables a component to stick to a specific side of form and/or to grow or shrink when a window is resized.

If opposite anchors are activated then the component will grow or shrink with the window. For example if Top and Bottom are activated, then the component will grow/shrink when the window is vertically resized. If Left and Right are activated then the component will grow/shrink when the window is horizontally resized.

If opposite anchors are not activated, then the component will keep a constant distance from the sides of the window which correspond to the activated anchors.

#### Returns

Number

#### Sample

```
var form = solutionModel.newForm('mediaForm', 'example_data', 'parent_table', 'null', false, 400, 300);
var stretchAllDirectionsLabel = form.newLabel('Stretch all directions', 10, 10, 380, 280);
stretchAllDirectionsLabel.background = 'red';
stretchAllDirectionsLabel.anchors = SM_ANCHOR.ALL;
var stretchVerticallyLabel = form.newLabel('Stretch vertically', 10, 10, 190, 280);
stretchVerticallyLabel.background = 'green';
stretchVerticallyLabel.anchors = SM_ANCHOR.WEST | SM_ANCHOR.NORTH | SM_ANCHOR.SOUTH;
var stretchHorizontallyLabel = form.newLabel('Stretch horizontally', 10, 10, 380, 140);
stretchHorizontallyLabel.background = 'blue';
stretchHorizontallyLabel.anchors = SM_ANCHOR.NORTH | SM_ANCHOR.WEST | SM_ANCHOR.EAST;
var stickToTopLeftCornerLabel = form.newLabel('Stick to top-left corner', 10, 10, 200, 100);
stickToTopLeftCornerLabel.background = 'orange';
stickToTopLeftCornerLabel.anchors = SM_ANCHOR.NORTH | SM_ANCHOR.WEST; // This is equivalent to SM_ANCHOR.DEFAULT
var stickToBottomRightCornerLabel = form.newLabel('Stick to bottom-right corner', 190, 190, 200, 100);
stickToBottomRightCornerLabel.background = 'pink';
stickToBottomRightCornerLabel.anchors = SM_ANCHOR.SOUTH | SM_ANCHOR.EAST;
```

### className

The bean class name.

#### Returns

String

#### Sample

```
var bean = form.getBean('mybean');
application.output(bean.className);
```

### enabled

The enable state of the component, default true.

#### Returns

Boolean

#### Sample

```
var form = solutionModel.newForm('printForm', 'example_data', 'parent_table', 'null', false, 400, 300);
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
field.enabled = false;
```

#### formIndex

The Z index of this component. If two components overlap, then the component with higher Z index is displayed above the component with lower Z index.

#### Returns

[Number](#)

#### Sample

```
var labelBelow = form.newLabel('Green', 10, 10, 100, 50);
labelBelow.background = 'green';
labelBelow.formIndex = 10;
var fieldAbove = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 30);
fieldAbove.background = '#FF0000';
fieldAbove.formIndex = 20;
```

#### groupID

A String representing a group ID for this component. If several components have the same group ID then they belong to the same group of components. Using the group itself, all components can be disabled/enabled or made invisible/visible.

The group id should be a javascript compatible identifier to allow access of the group in scripting.

#### Returns

[String](#)

#### Sample

```
var form = solutionModel.newForm('someForm', 'example_data', 'parent_table', 'null', false, 400, 300);
var label = form.newLabel('Green', 10, 10, 100, 20);
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 40, 100, 20);
label.groupID = 'someGroup';
field.groupID = 'someGroup';
forms['someForm'].elements.someGroup.enabled = false;
```

#### height

The height in pixels of the component.

#### Returns

[Number](#)

#### Sample

```
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
application.output('original width: ' + field.width);
application.output('original height: ' + field.height);
field.width = 200;
field.height = 100;
application.output('modified width: ' + field.width);
application.output('modified height: ' + field.height);
```

#### name

The name of the component. Through this name it can also be accessed in methods.

#### Returns

[String](#)

#### Sample

```
var form = solutionModel.newForm('someForm', 'example_data', 'parent_table', 'null', false, 620, 300);
var label = form.newLabel('Label', 10, 10, 150, 150);
label.name = 'myLabel'; // Give a name to the component.
forms['someForm'].controller.show()
// Now use the name to access the component.
forms['someForm'].elements['myLabel'].text = 'Updated text';
```

#### printable

Flag that tells if the component should be printed or not when the form is printed.

By default components are printable.

#### Returns

Boolean

#### Sample

```
var form = solutionModel.newForm('printForm', 'example_data', 'parent_table', 'null', false, 400, 300);
var printedField = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
var notPrintedField = form.newField('parent_table_id', JSField.TEXT_FIELD, 10, 40, 100, 20);
notPrintedField.printable = false; // This field won't show up in print preview and won't be printed.
forms['printForm'].controller.showPrintPreview()
```

#### visible

The visible property of the component, default true.

#### Returns

Boolean

#### Sample

```
var form = solutionModel.newForm('printForm', 'example_data', 'parent_table', 'null', false, 400, 300);
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
field.visible = false;
```

#### width

The width in pixels of the component.

#### Returns

Number

#### Sample

```
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
application.output('original width: ' + field.width);
application.output('original height: ' + field.height);
field.width = 200;
field.height = 100;
application.output('modified width: ' + field.width);
application.output('modified height: ' + field.height);
```

#### x

The x coordinate of the component on the form.

#### Returns

Number

#### Sample

```
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
application.output('original location: ' + field.x + ', ' + field.y);
field.x = 90;
field.y = 90;
application.output('changed location: ' + field.x + ', ' + field.y);
```

#### y

The y coordinate of the component on the form.

#### Returns

Number

#### Sample

```
var field = form.newField('parent_table_text', JSField.TEXT_FIELD, 10, 10, 100, 20);
application.output('original location: ' + field.x + ', ' + field.y);
field.x = 90;
field.y = 90;
application.output('changed location: ' + field.x + ', ' + field.y);
```

## Method Details

getUUID

UUID **getUUID()**

Returns the UUID of this component.

**Returns**

UUID

**Sample**

```
var button_uuid = solutionModel.getForm("my_form").getButton("my_button").getUUID();  
application.output(button_uuid.toString());
```