SWTML FAQs

- What are all supported XML attributes for SWT Widget in SWTML?
- How to declare SWT resources like Image, Font and Color in SWTML?
- Which SWT events are common to all widgets?
- How to define SWT Layout in SWTML?

- How can I use SWTML to create Eclipse plugin UI?
- How to get reference of SWT Widget in Java Code?

Q) What are all supported XML attributes for SWT Widget in SWTML? For any SWT Widget all "setter" methods with basic Java types as parameter are supported as attribute.

For example, setToolTipText(<str>) is supported as attribute "toolTipText".

There are few custom attributes defined in swtml. Custome attributes are prefix with underscore "_" symbol.

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Q) How to declare SWT resources like Image, Font and Color in SWTML? **Image** Image can be assigned to a widget in two ways.

1) Using _image-id attribute :

```
<!-- Declare image as resource -->
<image
<!-- use with multiple control -->
<tool-item
<menu-item
```

2) Using _image attribute :

```
<!-- Inline image -->
<tool-item
```

Font *Font can be assigned to a widget in two ways.Â-*

1) Using _font-id attribute :

```
<font
<text
</text
```

2) Using sub-element <font> tag :

```
<label

</label
```

Color 1) For widget with color support :

```
<text

</text
```

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Q) Which SWT events are common to all widgets? SWT.Dispose, SWT.DragDetect, SWT.FocusIn, SWT.FocusOut, SWT.Help, SWT.KeyDown, SWT.KeyUp, SWT.MenuDetect, SWT.MouseDoubleClick, SWT.MouseDown, SWT.MouseEnter, SWT.MouseExit, SWT.MouseHover, SWT.MouseUp, SWT.MouseMove, SWT.Move, SWT.Paint, SWT.Resize and SWT.Traverse. Top

SWT Layout	SWTML tag
FillLayout	<fill-layout>
RowLayout	<row-layout>
GridLayout	<grid-layout> and <grid-data>
StackLayout	<stack-layout>

Attribute	Supported Values
type	SWT.HORIZONTAL or SWT.VERTICAL

Attribute	Supported Values
fill	true or false
justify	true or false
marginbottom	integer
marginheight	integer
marginleft	integer
marginright	integer
pack	true or false
spacing	integer
type	SWT.HORIZONTAL or SWT.VERTICAL
wrap	true or false

Attribute	Supported Values

equalwidth	true or false
horizontalspacing	integer
marginbottom	integer
marginheight	integer
marginleft	integer
marginright	integer
numcolumns	integer

Attribute	Supported Values
h-grab	true or false
v-grab	true or false
h-align	Supported SWT Constants, for example SWT.FILL
v-align	Supported SWT Constants, for example SWT.FILL
h-span	integer
v-span	integer

Attribute	Supported Values
marginheight	integer
marginwidth	integer
_control	"id" of control to display at top of stack

Q) How to define SWT Layout in SWTML?
SWT layout controls the position and size of children in *composite*.
<fill-layout>
<row-layout>
<grid-layout>
<grid-data>
<stack-layout>
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Q) How can I use SWTML to create Eclipse plugin UI? In XML use composite as root element and before parsing set View's composite as parent widget.

```
/*
For example in View Class
*/
public
        parser.
```

SWTML's XML :

```
<?xml
<!-- Top level widget is Composite-->
<composite
<!-- Other widgets-->
</composite
```

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Q) How to get reference of SWT Widget in Java Code? Assign "id" attribute to widget in XML. Example :

```
<text
```

Then use SWTObjectMap class to get reference of SWT Widget.

```
(
```

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