

SWTML (SWT Markup Language)

SWTML is XML driven GUI building Java library for SWT (Standard Widget Toolkit).

Features:

- Separation of UI with application logic,
- Build native looking application with SWT
- Supports all widgets/layouts of SWT
- Easy to use XML syntax, all setter method of Widgets are supported as XML attribute
- Attach SWT's Event Listener to widgets in XML
- Define common resources like images, Font etc. and used them across widgets.
- Easy and direct access to rendered Objects in application.
- Flexible widget's hierarchy in XML. Create full application structure or just a small widget in XML.
- Dynamic XML loading and parsing supported. Create SWTML widgets on the fly in your application.

Information:

- [Downloads](#) : Download the latest version of SWTML library.
- [Widgets Gallery](#) : Browse supported SWTML widgets.
- [Application Showcase](#) : SWT Applications built using SWTML. Code provided here to understand the concepts of SWTML. Use at your own discretion.
- [SWTML Templates](#) : Ready to use UI templates to kick-start your application.

Hello World example:

1. Download the SWTML and dependent jars and add to application's classpath.
2. Create a XML file with SWT Shell and a Label. hello-world.xml :

```
<?xml version="1.0" encoding="UTF-8"?>
<shell text="My Application" style="SWT.SHELL_TRIM">
<fill-layout/>
<label text="Hello World" />
</shell>
```

- Use com.sheelapps.swtмл.SWTParser to parse hello-world.xml to create Shell widget.

```
Display display = Display.getDefault();
try {
    com.sheelapps.swtмл.SWTParser parser = new com.sheelapps.swtмл.SWTParser();
    Shell shell = (Shell) parser.doParse(HelloWorld.class.getResourceAsStream(
"/com/sheelapps/swtml/examples/hello-world.xml"));
    shell.open();
    while (!shell.isDisposed()) {
        if (!display.readAndDispatch())
            display.sleep();
    }
}
```

```
display.dispose();  
} catch (Exception e) {  
    e.printStackTrace();  
}
```

SWTML is free for non-commercial use.

SWTML Widgets

Button (SWT.ARROW))
[javadoc](#) -
[SWTML](#)

Button (SWT.CHECK))
[javadoc](#) -
[SWTML](#)

Button (SWT.RADIO))
[javadoc](#) -
[SWTML](#)

Button (SWT.TOGGLE))
[javadoc](#) -
[SWTML](#)

Combo
[javadoc](#)
-
[SWTML](#)

Composite
[javadoc](#) -
[SWTML](#)

CTabFolder

[javadoc](#) -
[SWTML](#)

DateTime

[javadoc](#) -
[SWTML](#)

Group

[javadoc](#)
-
[SWTML](#)

Label

[javadoc](#)

-
ScrolledComposite
[SWTML](#)
[javadoc](#) - [SWTML](#)

Menu
[javadoc](#)

-
[javadoc](#)
[SWTML](#)

-
Sash
[SWTML](#)

[javadoc](#)

-
[SWTML](#)

StyledText

[javadoc](#) -

Slider
[SWTML](#)

Scale

[javadoc](#)

TabFolder

[javadoc](#) -
[SWTML](#)
[SWTML](#)
[SWTML](#)

Text (SWT.SINGLE)
[javadoc](#) -
[SWTML](#)

Text (SWT.MULTI)
[javadoc](#) -
[SWTML](#)

Tree
[javadoc](#)
-
[SWTML](#)