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.swtml.SWTParser to parse hello-world.xml to create Shell widget.

```
Display display = Display.getDefault();
 try {
    com.sheelapps.swtml.SWTParser parser = new com.sheelapps.swtml.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 - SWTML

List
javadoc - SWTML

Menu
javadoc - javadoc - SWTML - SWTML

Sash
javadoc - SWTML

Slider

Scale
javadoc - SWTML

StyledText
javadoc - SWTML

TabFolder
javadoc - SWTML

ScrolledComposite
javadoc - SWTML

Text (`SWT.SINGLE`)
javadoc -
SWTML

Text (`SWT.MULTI`)
javadoc -
SWTML

Tree

javadoc
-
SWTML