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Vol. 3 - "tsWxGTUI\_PyVx" Toolkit

Rev. 0.1.0 (Pre-Alpha)

Author(s): Richard S. Gordon



### TeamSTARS "tsWxGTUI PyVx" Toolkit

with Python 2x & Python 3x based

Command Line Interface (CLI)

and "Curses"-based "wxPython"-style
Graphical-Text User Interface (GUI)

Get that cross-platform, pixel-mode "wxPython" feeling on platforms with:

- 64-bit processors, nCurses 6.x, 64-bit Python 3.6.x or later GUI applications and character-mode 256-/16-/8-color (xterm-family) and non-color (vt100-family) terminals and terminal emulators.
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## 2 NOTES

# 2.1 Splash Screen Designer's Guide

A splash screen is an optional image that appears while a program is loading. Splash screens may cover the entire screen or simply a rectangle near the center of the screen.

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```
#"Time-stamp: <12/18/2016 2:53:03 PM rsg>"
====== File: README-SplashScreenDesignersGuide.txt ======
  +---+ TeamSTARS "tsWxGTUI PyVx" Toolkit
  | ts | Wx | with Python 2x & Python 3x based
  +---+
                  Command Line Interface (CLI)
  | G T U I | and "Curses"-based "wxPython"-style,
                    Graphical-Text User Interface (GUI)
  Get that cross-platform, pixel-mode "wxPython" feeling on
  platforms with:
  * 64-bit processors, nCurses 6.x, 64-bit Python 3.6.x or
    later GUI applications and character-mode 256-/16-/8-
    color (xterm-family) and non-color (vt100-family)
    terminals and terminal emulators.
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    color (xterm-family) and non-color (vt100-family)
    terminals and terminal emulators.
  <Your Working Repository>
  (e.g. "tsWxGTUI PyVx Repository")
    +-- ["Documents"]
    +-- ["ManPages"]
    +-- ["Notebooks"]
          +-- ["DeveloperNotebook"]
```

```
+-- ["EngineeringNotebook"]
               +-- ["MS-Excel-Files"]
                     +-- "SplashScreenDesignerGuide.xls"
          +-- ["ProjectNotebook"]
               +-- "PROJECT-01-Title Page.txt"
               +-- "PROJECT-02-Table Of Contents.txt"
              +-- "PROJECT-03-Purpose.txt"
              +-- "PROJECT-04-Goals.txt"
              +-- "PROJECT-05-Non-Goals.txt"
              +-- "PROJECT-06-Design_Strategy.txt"
              +-- "PROJECT-07-Design Architecture.txt"
               +-- "PROJECT-08-Release Strategy.txt"
              +-- "PROJECT-09-Software Configuration Management.txt"
              +-- "PROJECT-10-Software Repository.txt"
              +-- "PROJECT-11-Features.txt"
              +-- "PROJECT-12-Capabilities.txt"
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               +-- "PROJECT-14-Reference Documents.txt"
               +-- "PROJECT-15-Built-in Documentation Symbols.txt"
               +-- "PROJECT-16-Applicaion Launch Modules.txt"
              +-- "PROJECT-17-Directory and Import Guide.txt"
              +-- "PROJECT-18-Site-Package Install Guide.txt"
              +-- "PROJECT-19-Developer-Sandbox Install Guide.txt"
               +-- "PROJECT-20-Splash Screen_Guide.txt"
               +-- "README5-ProjectNotebook.txt"
         +-- "README5-Notebooks.txt"
    +-- ["SourceDistributions"]
    +-- "README.txt"
```

- 1. Jargon
- 2. Sample Layout
- 3. Layout Procdure

- 1. Jargon
  - \* Splash Screen --- a graphical control element consisting of window containing an image, a logo and the current version of the software. A splash screen usually appears while a program is launching. Splash screens may cover the entire screen, or simply a rectangle near the center of the screen.

The Splash Screen enabling or disabling is an option within ./tsLibGUI/tsWxGlobals.py.

The Splash Screen is constructed and displayed by ./tsLibGUI/tsWxGraphicalTextUserInterface.py.

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```
2. Sample Layout
```

A splash screen is a window with a thin border. It displays a "bitmap" (text) describing your application. The splash screen is shown during application initialization. The application then either explicitly destroys it or lets it time-out.

- 2.1 For "abundant" screen size (60+ column x 42+ row)
   displays:
  - a. Trademark (60+ column x 10 row)
  - b. Copyright (60+ column x 18 row)
  - c. License (60+ column x 14 row)
- - a. Copyright (60+ column x 18 row)
  - b. License (60+ column x 14 row)
- 2.3 For "minimal" screen size (60+ column x 6 row)
   displays:
  - a. Notice (60+ column x 6 row)
- 2.4 For" unusable" screen size (59- column x 5- row) displays:
  - a. Program error log file (59- column x 4- row)

```
1 +---+ TeamSTARS "tsWxGTUI_PyVx" Toolkit
2 | ts | Wx | with Python-based
3 +---+ Command Line Interface (CLI)
4 | G T U I | and "wxPython"-style, "nCurses"-based
5 +----+ Graphical-Text User Interface (GUI)
6
7 Get that cross-platform, pixel-mode "wxPython" feeling
8 on character-mode terminals and terminal emulators.
9
```

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0
1 "tsWxGTUI_PyVx", v0.0.0 (pre-alpha build 11/28/2014)
```

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       Author(s): Richard S. Gordon
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    may be found in the file "NOTICES.txt" located in the
    "./tsWxGTUI PyVx/tsDocCLIUsageTermsAndConditions"
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    directory.
3. Layout Procdure
  3.1 For each developer-sandbox and site package:
```

- 3.2 Find file "tsCxGlobals" and Update to reflect recent changes to authors, credits, licenses, and notices associated with any enhancements and bug fixes.

HINT:

Locations should appear in "MANIFEST TREE.txt"

3.3 Find and run file "test\_TermsAndConditions.py"
HINT:

Locations should appear in "MANIFEST\_TREE.txt"

- 3.4 Update file "test\_TermsAndConditions.xls"
- 3.5 Repeat steps 2.2-2.5 for next developer-sandbox and site\_package until the required information is both aesthetically pleasing and fits the associated category of display screen size.