

The PySimpleGUI Package

Thanks to @windy030 and @oaw6 for surfacing the capabilities of this package

The **PySimpleGUI** package provides an application with a graphical user interface capable of being run on a personal computer.

Reference:

- <https://pypi.org/project/PySimpleGUI/>
- <https://github.com/PySimpleGUI/PySimpleGUI>
- <https://github.com/PySimpleGUI/PySimpleGUI/blob/master/PySimpleGUI.py>
- <https://pysimplegui.readthedocs.io/en/latest/tutorial/>
- <https://pysimplegui.readthedocs.io/en/latest/cookbook/>
- <https://pysimplegui.readthedocs.io/en/latest/#high-level-api-calls-popups>
- <https://pysimplegui.readthedocs.io/en/latest/#listbox-element>
- <https://pysimplegui.readthedocs.io/en/latest/#button-element>
- <https://pysimplegui.readthedocs.io/en/latest/#input-elements>
- etc...

Installation

Install the **PySimpleGUI** package:

```
pip install PySimpleGUI
```

Usage

Usage examples (adapted from the official documentation):

```
import PySimpleGUI as sg

sg.Popup("Hello From PySimpleGUI!", "This is the shortest GUI program ever!")
```

```
import PySimpleGUI as sg

layout = [
    [sg.Text("Enter your name"), sg.InputText()],
    [sg.OK()]
]
```

```

window = sg.Window("My first GUI").Layout(layout)

button, values = window.Read()

#print(type(values)) #> dict
#print(values) #> {0: 'Polly Professor'}
name = values[0] #> Polly Professor
print("NAME:", name)

```

```

import PySimpleGUI as sg

sg.ChangeLookAndFeel("GreenTan")

column1 = [[sg.Text("Column 1", background_color="#d3dfda",
justification="center", size=(10, 1))],
            [sg.Spin(values=("Spin Box 1", "2", "3"), initial_value="Spin Box
1")],
            [sg.Spin(values=("Spin Box 1", "2", "3"), initial_value="Spin Box
2")],
            [sg.Spin(values=("Spin Box 1", "2", "3"), initial_value="Spin Box
3")]]
layout = [
    [sg.Text("All graphic widgets in one window!", size=(30, 1), font=
("Helvetica", 25))],
    [sg.Text("Here is some text.... and a place to enter text")],
    [sg.InputText("This is my text")],
    [sg.Checkbox("My first checkbox!"), sg.Checkbox("My second checkbox!",
default=True)],
    [sg.Radio("My first Radio!      ", "RADIO1", default=True), sg.Radio("My
second Radio!", "RADIO1")],
    [sg.Multiline(default_text="This is the default Text should you decide
not to type anything", size=(35, 3)),
    sg.Multiline(default_text="A second multi-line", size=(35, 3))],
    [sg.InputCombo(("Combobox 1", "Combobox 2"), size=(20, 3)),
    sg.Slider(range=(1, 100), orientation="h", size=(34, 20),
default_value=85)],
    [sg.Listbox(values=("Listbox 1", "Listbox 2", "Listbox 3"), size=(30,
3)),
    sg.Slider(range=(1, 100), orientation="v", size=(5, 20),
default_value=25),
    sg.Slider(range=(1, 100), orientation="v", size=(5, 20),
default_value=75),
    sg.Slider(range=(1, 100), orientation="v", size=(5, 20),
default_value=10),
    sg.Column(column1, background_color="#d3dfda")],
    [sg.Text("_" * 80)],
    [sg.Text("Choose A Folder", size=(35, 1))],
    [sg.Text("Your Folder", size=(15, 1), auto_size_text=False,

```

```
justification="right"),
    sg.InputText("Default Folder"), sg.FolderBrowse()],
    [sg.Submit(), sg.Cancel()]
]

window = sg.Window("Everything bagel", default_element_size=(40,
1)).Layout(layout)
button, values = window.Read()
sg.Popup(button, values)
```