

pyQt6



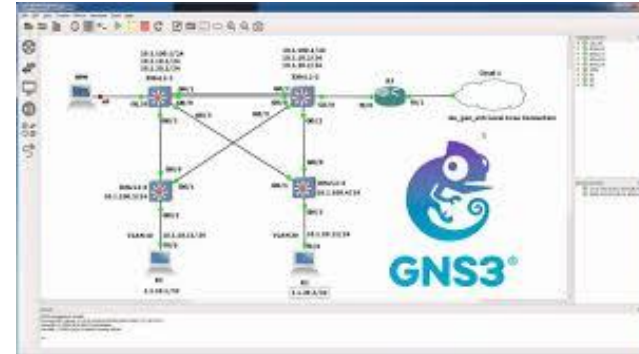
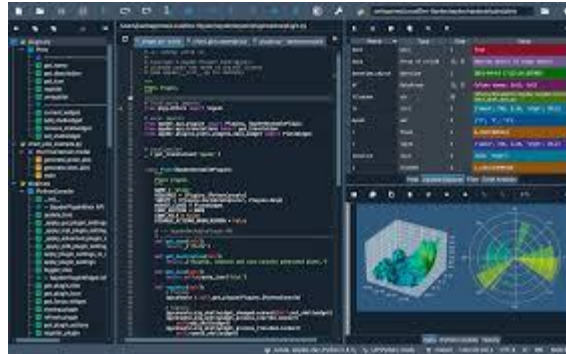
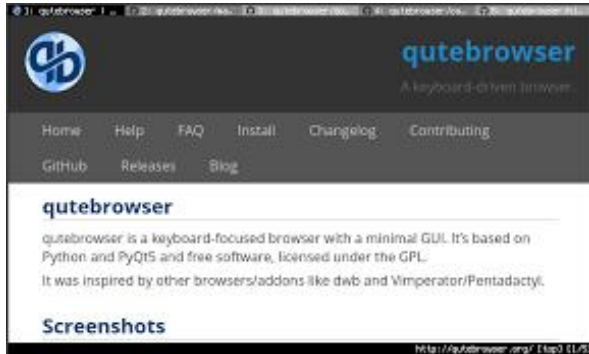


PyQt is a Python binding of the cross-platform GUI toolkit Qt, implemented as a Python plug-in. PyQt is free software developed by the British firm **Riverbank Computing**.

The PyQt6 library is actually a **wrapper** around the C++ Qt library, which makes it possible to use it in Python.

Applications that use PyQt

- Dropbox, a file hosting service
- OpenShot, a video editing program
- qutebrowser, a web browser with Vim-style key bindings and a minimal GUI
- Spyder, a Python data science IDE
- GNS3, a network software emulator



14:30:19

```

11th Gen 1.7 GHz
CPU ██████████ 24%
C0 ██████████ 24%
C1 ██████████ 14%
C2 ██████████ 24%
C3 ██████████ 24%
C4 ██████████ 34%
C5 ██████████ 14%
C6 ██████████ 24%
C7 ██████████ 14%
LAV: 0.84 0.91 0.42

```

up 00:04:21

 run Thunar

9/172

```
OS: EndeavourOS Linux x86_64
Host: KVM/QEMU (Standard PC (i440FX + PIIX, 1996))
Kernel: 5.14.12-arch1-1
Uptime: 4 mins
Packages: 701 (pacman)
Shell: bash 5.1.8
Resolution: 1920x1080
WM: LG3D
Theme: Arc-Dark [GTK2/3]
Icons: Papyrus-Dark [GTK2/3]
Terminal: xfce4-terminal
Terminal Font: Cascadia Code 13
CPU: 11th Gen Intel i7-1165G7 (8) @ 1.689GHz
00:02.0 Red Hat, Inc. QXL paravirtual graphi
vv: 242MiB / 1976MiB
```

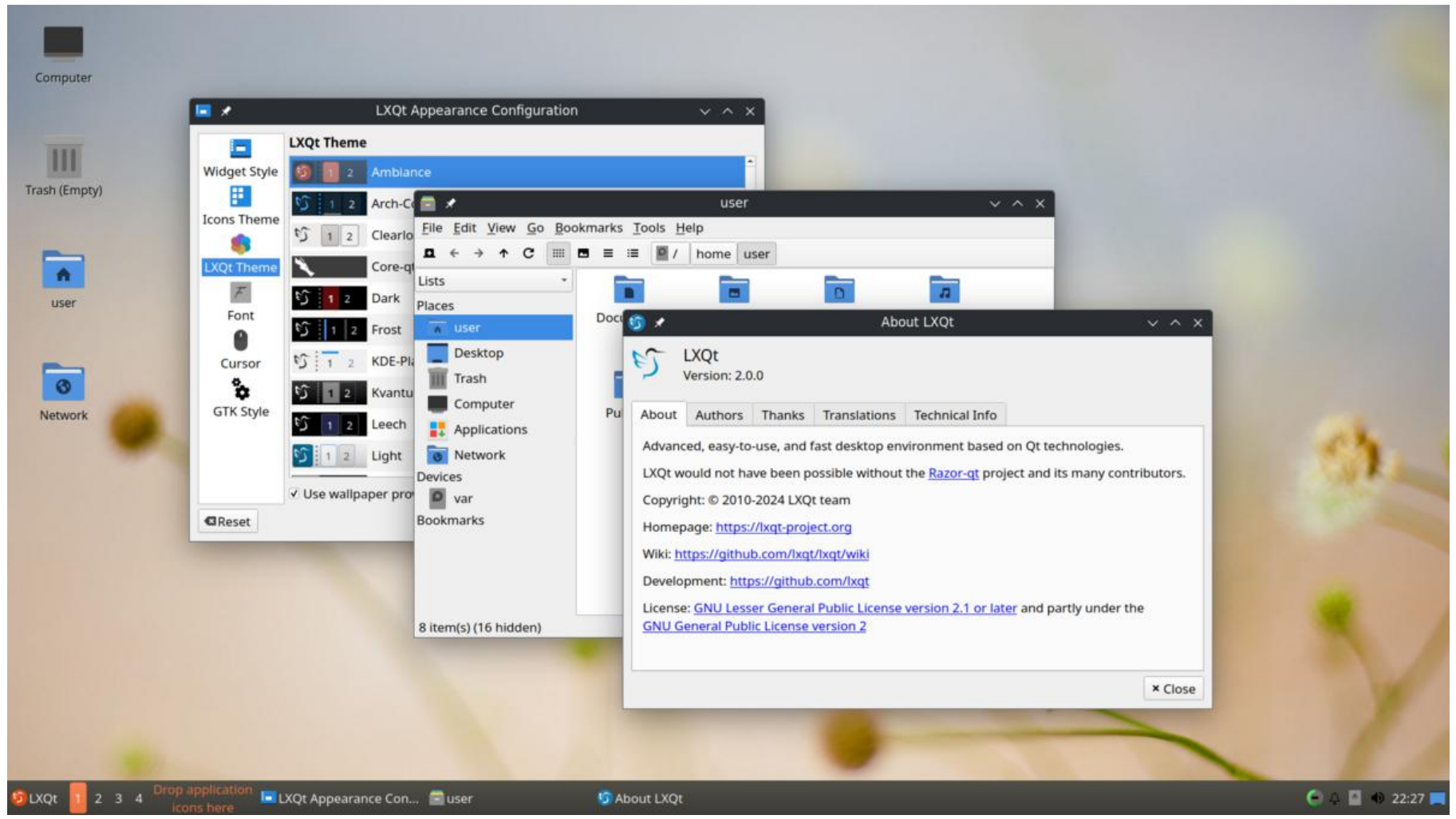


```
]: Supervising 1 threads of 1 processes of 1 u
]: Supervising 1 threads of 1 processes of 1 u
.service: Deactivated successfully.
ed Daily man-db regeneration.
p finished in 918ms (kernel) + 3min 35.692s (u
```

```

erspace) = 3min 36.603s.
Oct 20 14:29:34 eos-qtile-vm systemd[1]: man-db.service: Consumed 4min 38.635s CPU time.
Oct 20 14:29:34 eos-qtile-vm audit[1]: SERVICE_START pid=1 uid=0 auid=4294967295 ses=42949672
95 msg='unit=man-db comm="systemd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=
? res=success'
Oct 20 14:29:34 eos-qtile-vm audit[1]: SERVICE_STOP pid=1 uid=0 auid=4294967295 ses=429496729
5 msg='unit=man-db comm="systemd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=?
res=success'
Oct 20 14:29:34 eos-qtile-vm kernel: audit: type=1130 audit(1634765374.738:84): pid=1 uid=0 a
uid=4294967295 ses=4294967295 msg='unit=man-db comm="systemd" exe="/usr/lib/systemd/systemd"
hostname=? addr=? terminal=? res=success'
Oct 20 14:29:34 eos-qtile-vm kernel: audit: type=1131 audit(1634765374.738:85): pid=1 uid=0 a
uid=4294967295 ses=4294967295 msg='unit=man-db comm="systemd" exe="/usr/lib/systemd/systemd"
hostname=? addr=? terminal=? res=success'

```



LXQt Appearance Configuration

LXQt Theme

Widget Style

Icons Theme

LXQt Theme

Font

Cursor

GTK Style

Reset

1 2 Ambiance

1 2 Arch-C

1 2 Clearlo

1 2 Core-q

1 2 Dark

1 2 Frost

1 2 KDE-Pl

1 2 Kvantu

1 2 Leech

1 2 Light

☒ Use wallpaper pro

user

File Edit View Go Bookmarks Tools Help

home user

Lists

Places

user

Desktop

Trash

Computer

Applications

Network

Devices

var

Bookmarks

8 item(s) (16 hidden)

About LXQt

LXQt
Version: 2.0.0

About Authors Thanks Translations Technical Info

Advanced, easy-to-use, and fast desktop environment based on Qt technologies.

LXQt would not have been possible without the [Razor-qt](#) project and its many contributors.

Copyright: © 2010-2024 LXQt team

Homepage: <https://lxqt-project.org>

Wiki: <https://github.com/lxqt/lxqt/wiki>

Development: <https://github.com/lxqt>

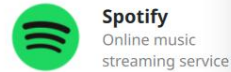
License: [GNU Lesser General Public License version 2.1 or later](#) and partly under the [GNU General Public License version 2](#)

Close

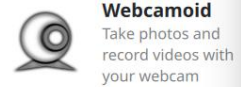
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 - Science & Math
 - System

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 - Online Accounts

Quick Settings

Theme:



Breeze



Breeze Dark



Automatic

More appearance settings:



Status and Notifications

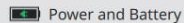
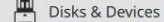
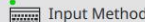
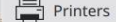
Animation speed:

Slow

Clicking files or folders

- Selects them
Open by double-click
- Opens them
Select by clicking on

More behavior settings



Reset

Start

<https://www.pythonguis.com/installation/install-pyqt6-linux>

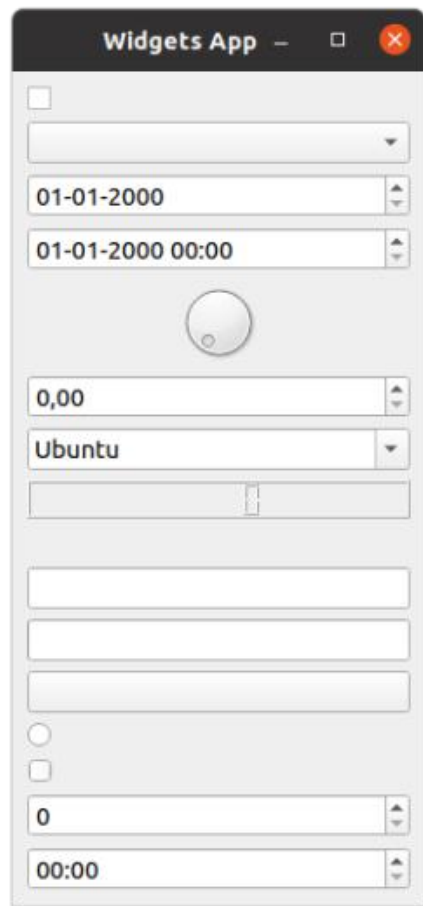
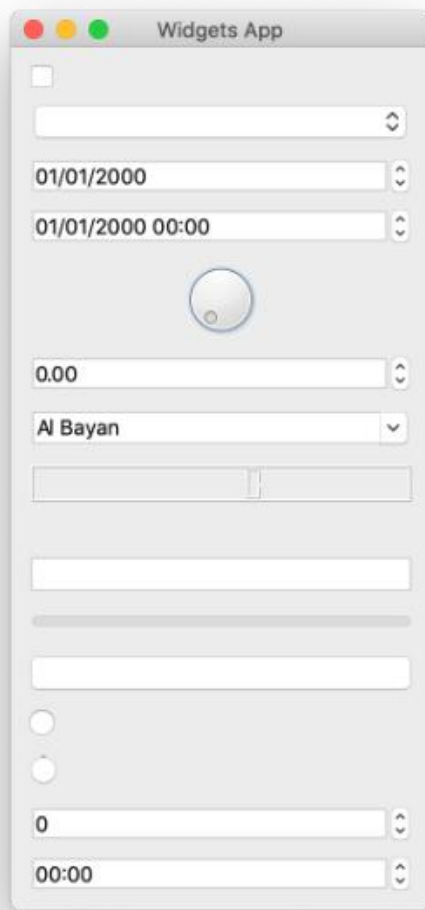
```
$ sudo apt update
$ sudo apt install python3-venv python3-pip

$ mkdir project/ && cd project/
$ python3 -m venv ./venv
$ source venv/bin/activate
(venv) $
(venv) $ pip3 install pyqt6
```

<https://www.pythonguis.com/installation/install-pyqt6-windows>

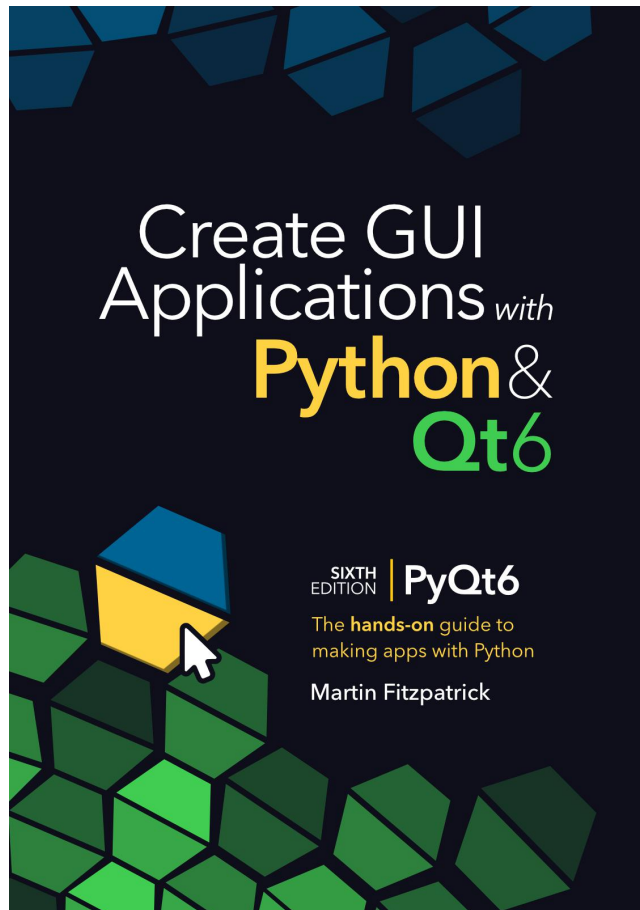


<https://www.pythonguis.com/installation/install-pyqt6-mac>



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```
# Only needed for access to command line arguments
import sys
```

```
from PyQt6.QtWidgets import QApplication, QWidget
```

```
# You need one (and only one) QApplication instance per application.
# Pass in sys.argv to allow command line arguments for your app.
# If you know you won't use command line arguments you can use
# QApplication([]) instead.
app = QApplication(sys.argv)
```

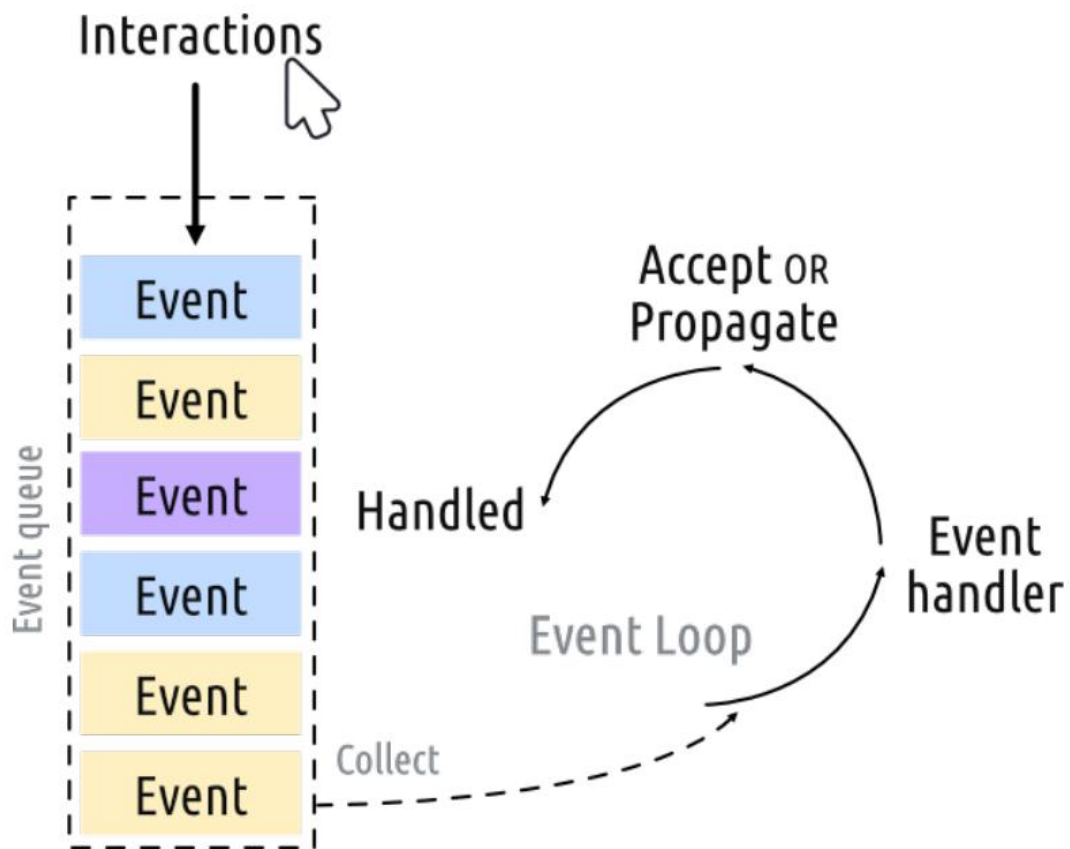
```
# Create a Qt widget, which will be our window.
window = QWidget()
window.show() # IMPORTANT!!!!!! Windows are hidden by default.
```

```
# Start the event loop.
app.exec()
```

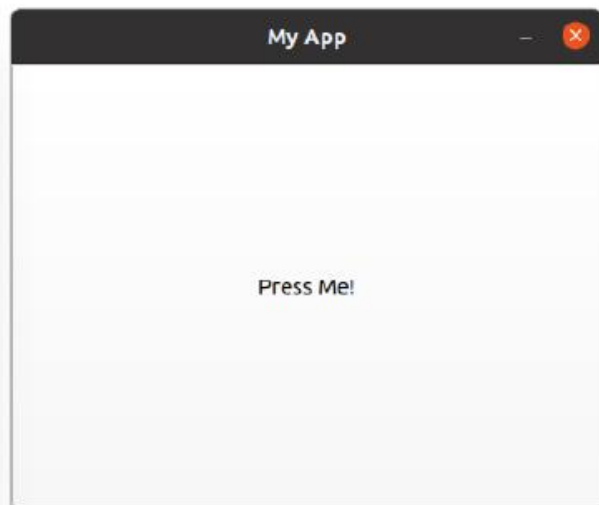
```
# Your application won't reach here until you exit and the event
```

Because this is a Python interface to a C++ library, the naming conventions used within **PyQt6** do not adhere to **PEP8** standards. For example, functions and variables are named using *mixedCase* rather than *snake_case*.

Finally, we call `app.exec()` to start up the event loop.



Basic structure:



```
import sys

from PyQt6.QtCore import QSize
from PyQt6.QtWidgets import QApplication, QMainWindow, QPushButton

# Subclass QMainWindow to customize your application's main window
class MainWindow(QMainWindow):
    def __init__(self):
        super().__init__()

        self.setWindowTitle("My App")

        button = QPushButton("Press Me!")

        self.setFixedSize(QSize(400, 300)) ①

        # Set the central widget of the Window.
        self.setCentralWidget(button)

app = QApplication(sys.argv)

window = MainWindow()
window.show()

app.exec()
```