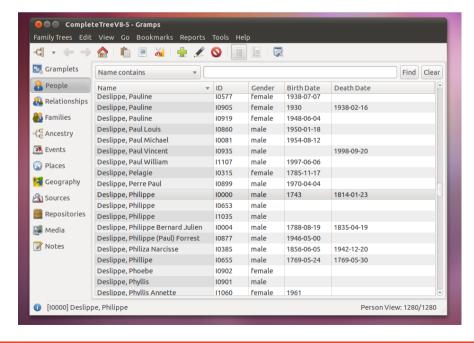
Developing Apps for Ubuntu using pyGTK and Quickly

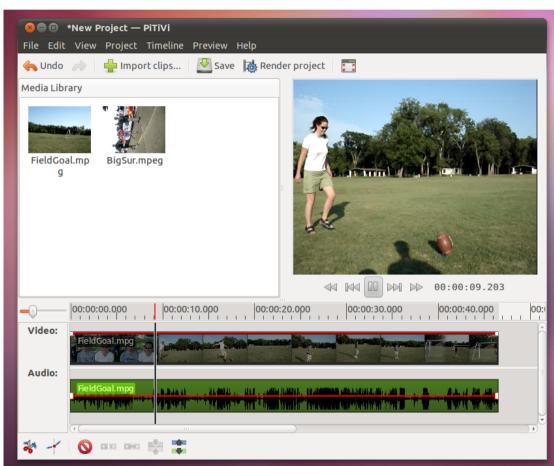
Jack Deslippe

Why pyGTK?

- GTK Integration guarantees your app has a native Ubuntu look and feel.
- Ubuntu makes it easy to write/package and release pyGTK apps.
- Python is super easy to write and support.

Examples





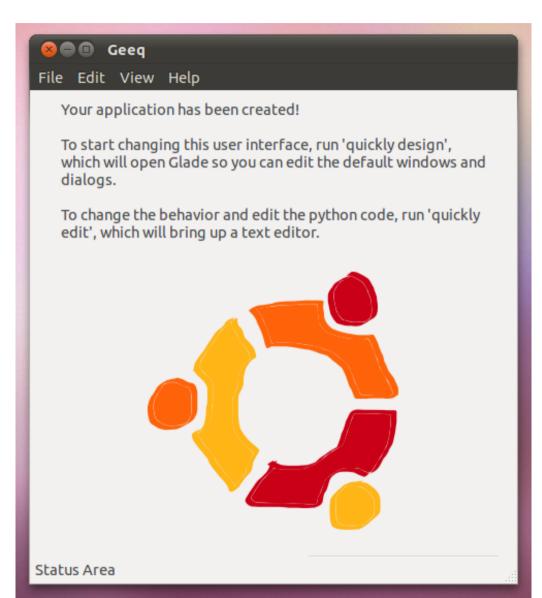
Creating a new app - GEEQ

 You can get quickly from the Ubuntu Software Center ... or in a terminal type:

"sudo apt-get install quickly"

 Create a new project with by typing:

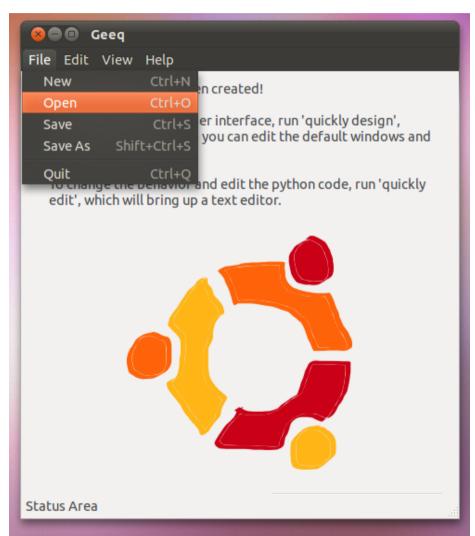
"quickly create ubuntu-application geeq"



What you get for free.

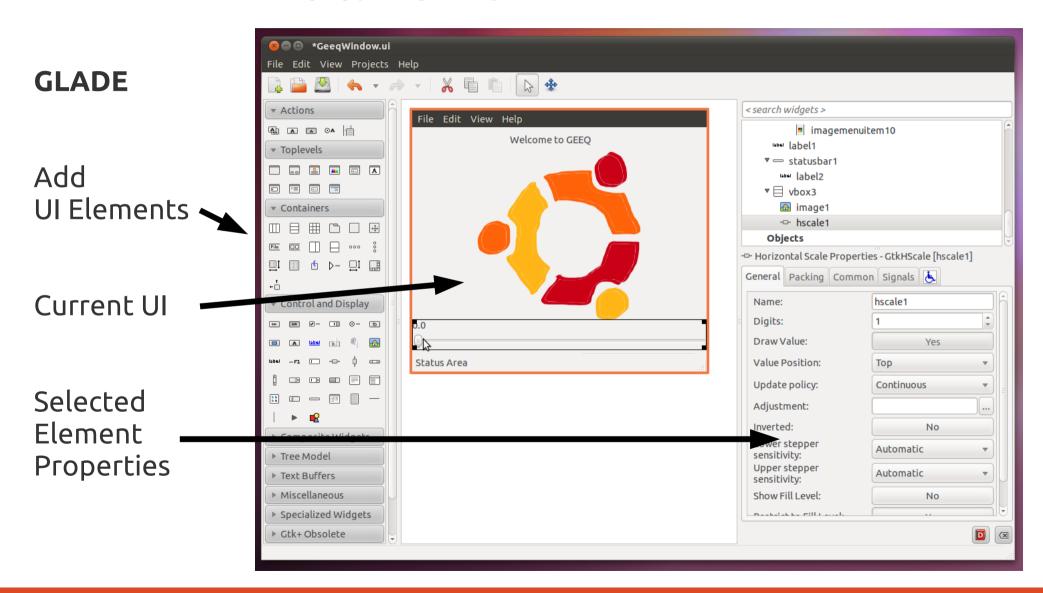
- Enter the created directory "cd geeq" and type "quickly run"





Designing the UI

- In the same directory type "quickly run"



The Code - Callbacks

- In the same directory type "quickly edit"

```
geeg (~/tmp/geeg/bin) - gedit
File Edit View Search Tools Documents Help
 🔒 逼 Open 🔻 🛂 Save 🛮 🖺 🖟 Undo 🧀 🗸 🖺 🖺 🗘 🔾
🖺 PreferencesGeeqDialog.py 💥 🖺 geeqconfig.py 💥 🖺 AboutGeeqDialog.py 💥 🖺 helpers.py 💥 🖺 geeq 💥
#!/usr/bin/python
# -*- Mode: Python; coding: utf-8; indent-tabs-mode: nil; tab-width: 4 -*-
### BEGIN LICENSE
# This file is in the public domain
### END LICENSE
import sys
import os
import atk
import gettext
from gettext import gettext as
gettext.textdomain('geeg')
# optional Launchpad integration
# this shouldn't crash if not found as it is simply used for bug reporting
try:
    import LaunchpadIntegration
   launchpad available = True
    launchpad available = False
# Add project root directory (enable symlink, and trunk execution).
PROJECT ROOT DIRECTORY = os.path.abspath(
   os.path.dirname(os.path.dirname(os.path.realpath(sys.argv[0]))))
if (os.path.exists(os.path.join(PROJECT ROOT DIRECTORY, 'geeg'))
   and PROJECT ROOT DIRECTORY not in sys.path):
    sys.path.insert(0, PROJECT ROOT DIRECTORY)
                                                              Python ▼ Tab Width: 4 ▼ Ln 1, Col 1
```

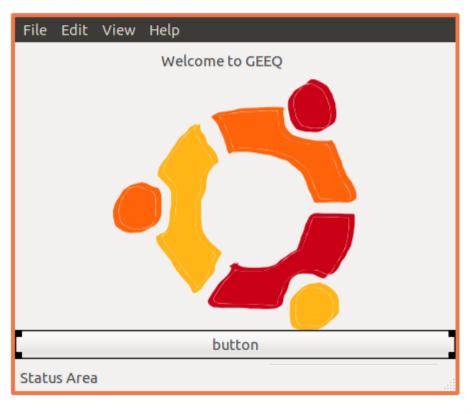
The Code - Callbacks

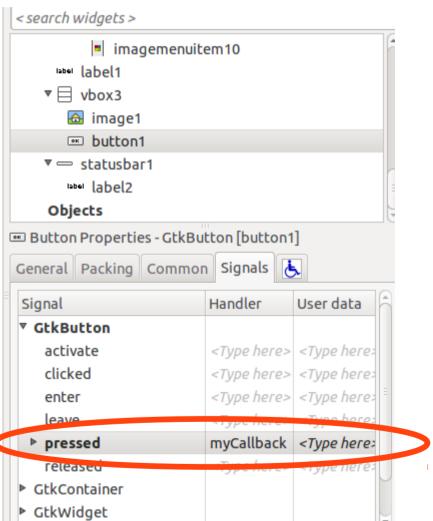
- In the same directory type "quickly edit"

```
🔞 🖨 🗊 geeg (~/tmp/geeg/bin) - gedit
File Edit View Search Tools Documents Help
🖳 逼 Open 🔻 💹 Save 🛮 🖺 🖟 Undo 🧀 🗎 🤚 📋 🔍 💃
🖺 PreferencesGeeqDialog.py 🗱 🖺 geeqconfig.pv 🗶 🖺 AboutGeegDialog.pv 🗶 🖺 helpers.pv 🗶 🖺 geeg 🗶
                                              prefs.destrov()
#!/usr/bin/python
# -*- Mode: Python; coding: utf-8; indent
                                         def quit(self, widget, data=None):
### BEGIN LICENSE
# This file is in the public domain
                                              """Signal handler for closing the GeegWindow."""
### END LICENSE
                                              self.destrov()
import sys
                                         def on destroy(self, widget, data=None):
import os
                                              """Called when the GeegWindow is closed."""
import atk
                                              # Clean up code for saving application state should be added here.
import gettext
                                              gtk.main guit()
from gettext import gettext as
gettext.textdomain('geeg')
                                       #JACK'S ADDED CALLBACKS
# optional Launchpad integration
# this shouldn't crash if not found as it
                                         def mvNewCallback:
                                              image = self.builder.get object("image")
   import LaunchpadIntegration
   launchpad available = True
                                              image.set from file(currentimageaddress)
   launchpad available = False
# Add project root directory (enable symlink, and crum
PROJECT ROOT DIRECTORY = os.path.abspath(
   os.path.dirname(os.path.dirname(os.path.realpath(sys.argv[0]))))
if (os.path.exists(os.path.join(PROJECT ROOT DIRECTORY, 'geeg'))
   and PROJECT ROOT DIRECTORY not in sys.path):
   sys.path.insert(0, PROJECT ROOT DIRECTORY)
                                                           Python ▼ Tab Width: 4 ▼ Ln 1, Col 1
```

Connect the Callback to the UI

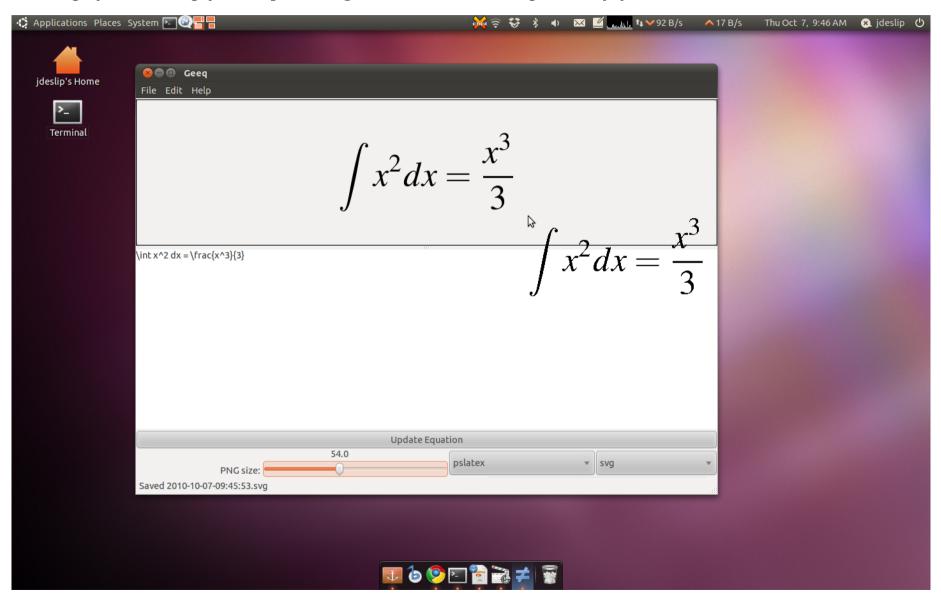
- In the same directory type "quickly design"





A Couple Hours Work

- At any point, type "quickly run" to test you app



Packaging your App

- In the same directory type "quickly package" this commande will automatically – with no extra input on your part at all – create .deb package that you can send to all your friends.
- If you type "quickly share" a .deb package will be created and the file will be uploaded to your PPA repository at Lauchpad.
- If you type "quickly release" a .deb is created, your PPA is updated and a project page at Launchpad is updated with a released source.



Launchpad Interaction

- Quickly makes it easy to host your project at Launchpad.

- Publish Source
- Version Control
- Roadmaps
- Bug Reporting
- Branches/Patches

