Introduction to Creating an Installer

In this chapter, we will walk you through the process of creating an executable and then packaging it up into an installer. We will be using a really neat little user interface called GUI2Exe that was written by Andrea Gavana to create the executable. It is based on wxPython, so you will need to have that installed to use it. GUI2Exe supports py2exe, bbfreeze, cx_Freeze, PyInstaller and py2app. Then once we have the **dist** folder created, we will use **Inno Setup** to create our installer.

We will be using the following code once more:

```python
# sampleApp.py

import wx

class DemoPanel(wx.Panel):
    """"""

    def __init__(self, parent):
        """Constructor"""
        wx.Panel.__init__(self, parent)

        labels = ["Name", "Address", "City", "State", "Zip",
                  "Phone", "Email", "Notes"]

        mainSizer = wx.BoxSizer(wx.VERTICAL)
        lbl = wx.StaticText(self, label="Please enter your information here:")
        lbl.SetFont(wx.Font(12, wx.SWISS, wx.NORMAL, wx.BOLD))
        mainSizer.Add(lbl, 0, wx.ALL, 5)
        for lbl in labels:
            sizer = self.buildControls(lbl)
            mainSizer.Add(sizer, 1, wx.EXPAND)
        self.SetSizer(mainSizer)
        mainSizer.Layout()

    def buildControls(self, label):
        """
        Put the widgets together
        """
        sizer = wx.BoxSizer(wx.HORIZONTAL)
        size = (80,40)
        font = wx.Font(12, wx.SWISS, wx.NORMAL, wx.BOLD)

        lbl = wx.StaticText(self, label=label, size=size)
```

```python
            lbl.SetFont(font)
            sizer.Add(lbl, 0, wx.ALL|wx.CENTER, 5)
            if label != "Notes":
                txt = wx.TextCtrl(self, name=label)
            else:
                txt = wx.TextCtrl(self, style=wx.TE_MULTILINE, name=label)
            sizer.Add(txt, 1, wx.ALL, 5)
            return sizer

class DemoFrame(wx.Frame):
    """
    Frame that holds all other widgets
    """

    def __init__(self):
        """Constructor"""
        wx.Frame.__init__(self, None, wx.ID_ANY,
                          "Py2Exe Tutorial",
                          size=(600,400)
                          )
        panel = DemoPanel(self)
        self.Show()

if __name__ == "__main__":
    app = wx.App(False)
    frame = DemoFrame()
    app.MainLoop()
```

Let's get started!