Archived:How to create an empty listbox using PySymbian

Aquivado: Este artigo foi arquivado, pois o conteúdo não é mais considerado relevante para se criar soluções comerciais atuais. Se você achar que este artigo ainda é importante, inclua o template {{ForArchiveReview|*escreva a sua justificativa*}}.

All PySymbian articles have been archived. PySymbian is no longer maintained by Nokia and is not guaranteed to work on more recent Symbian devices. It is not possible to submit apps to Nokia Store.

Here is the source:

```
import e32, appuifw

class CustomList( object ):
    def __init__( self, aList=[], aObserver=lambda:None,
                  aEmptyMessage=u'No data'):
        self._iList = aList
        self._mObserver = aObserver
        self._iEmptyMessage = unicode(aEmptyMessage)
        self._iCnv = appuifw.Canvas( self._redraw,
                                     resize_callback=self._redraw )
        self._iBindings = {}
        appuifw.app.body = self._iCnv
        if self._iList:
            self._iListbox = appuifw.Listbox(self._iList, self._observer)
        else:
            self._iListbox = None

    def _showEmpty( self ):
        if not self._iCnv:
            self._iCnv = appuifw.Canvas()
        appuifw.app.body = self._iCnv

    def _redraw(self, aRect=None):
        try:
            self._iCnv.clear()
            dimentions = self._iCnv.measure_text(self._iEmptyMessage,
                                                 font='dense')
            width = abs(dimentions[0][0])+abs(dimentions[0][2])
            height = abs(dimentions[0][1])+abs(dimentions[0][3])
            self._iCnv.text(((self._iCnv.size[0]-width)/2,
                             (self._iCnv.size[1]-height)/2),
                            self._iEmptyMessage)
        except:pass

    def _observer(self):
        self._mObserver()

    def bind(self, aEventCode, aCallback):
        self._iBindings[aEventCode] = aCallback
        self._iCnv.bind(aEventCode, aCallback)
        if self._iListbox:
            self._iListbox.bind(aEventCode, aCallback)

    def current(self):
        return self._iListbox.current()
```


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```
    def set_list(self, aList, current=None):
        self._iList = aList
        if self._iList and current:
            if not self._iListbox:
                self._iListbox = appuifw.Listbox(self._iList, self._observer)
                appuifw.app.body = self._iListbox
                for key in self._iBindings:
                    self._iListbox.bind(key, self._iBindings[key])

            self._iListbox.set_list( aList, current )

            if appuifw.app.body is not self._iListbox:
                appuifw.app.body = self._iListbox

        elif self._iList and not current:
            if not self._iListbox:
                self._iListbox = appuifw.Listbox(self._iList, self._observer)
                appuifw.app.body = self._iListbox
                for key in self._iBindings:
                    self._iListbox.bind(key, self._iBindings[key])

            self._iListbox.set_list( aList )

            if appuifw.app.body is not self._iListbox:
                appuifw.app.body = self._iListbox

        else:
            self._showEmpty()




if __name__ == "__main__":
    from key_codes import EScancode5
    def feed():
        lb.set_list([u'Item0',u'Item1',u'Item2',u'Item3',
                     u'Item4',u'Item5',u'Item6',u'...'],3)
        appuifw.app.menu = ([(u'Empty list', lambda:empty(),
                              (u'Exit', lambda:APP_LOCK.signal())])

    def empty():
        lb.set_list([])
        appuifw.app.menu = ([(u'Feed list', lambda:feed(),
                              (u'Exit', lambda:APP_LOCK.signal())])


    def observer():
        appuifw.note(u'Index: %d'%(lb.current()), 'info', 1)


    APP_LOCK = e32.Ao_lock()
    appuifw.app.title = u'Custom listbox'
    appuifw.app.exit_key_handler = APP_LOCK.signal
    appuifw.app.menu = ([(u'Feed list', lambda:feed(),
                          (u'Exit', lambda:APP_LOCK.signal())])
```


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```
    lb = CustomList(aObserver=observer)
    lb.bind(EScancode5, lambda:appuifw.note(u'Key 5', 'info', 1))
    APP_LOCK.wait()
```


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