
Irenicurse Documentation

Release 0.1

Laurent Peuch

March 21, 2013

CONTENTS

Irenicurse is a project that have the aim to create an high level python framework to write ncurses applications. It is based on [urwid](#), a python ncurses library.

Note: You can find the project repository [here](#).

Warning: This project is still young.

However it is pretty stable in term of bugs since it's an abstraction on top of Urwid and the code API big picture shouldn't change a lot (minors details are changing). What risk to limit you is that there isn't a lot of content (different widgets) yet and you'll quickly need to build your own depending on what you want to do.

Otherwise you can safely prototyping with it.

FOCUS

- simplicity
- allow to dev very fast, at least for most of the standard and simple use cases
- promote re-usability as much as possible
- if possible, be easy and fast to learn

APPROACH

Build a collection of high level generic widgets and allowing the user to extends those widgets to match his needs. The transitions between widgets is very similar to the call/answer mechanism of the [smalltalk web framework seaside](#).

In a nutshell, the current widget can “*call*” another widget and give him a callback, this widget will then be the current widget, it can then, if desired, “*answer*”. This will the callback, with arguments if necessary and the focus will be given back to the first widget.

Example: in a todo list manager, the main widget is a `ToDoListWidget` that display the title of a list of todos. When the user press some key, the `ToDoListWidget` will call a `EditToDoWidget` that will display a detail view of the todo with editing possibility. Then, the `EditToDoWidget` will answer by calling the callback with the modified todo, this callback will then save this modified todo.

INSTALLATION

3.1 From source

First, get the source:

```
git clone https://github.com/Psycojoker/irenicurse
```

Then:

```
python setup.py install
```

3.2 Using pip

Simply (no release are available yet on pypi):

```
pip install git+git://github.com/Psycojoker/irenicurse.git
```

Make sure that your version of pip is recent enough. If you get an error, simply update it with:

```
pip install -U pip
```


INDICES AND TABLES

- *genindex*
- *modindex*
- *search*