

Homework 7

Using Traits and TraitsUI create a GUI application that consists of a search box, a text display, an image display, and a series of buttons. The application will accept search strings in the search box and then run an internet image search. The first returned image from the search will be downloaded, the image url displayed in the text display field, and the actual image displayed in the image display field.

The buttons will provide the user interface to run the image search as well as perform manipulations on the image currently stored in the display (for example, blurring or rotation). Provide at least three unique (and interesting) image manipulation functions.

Tips: Feel free to use an image search (or, include support for multiple different searches). Yahoo has a convenient search module. There is also freedom in how you display the image, but matplotlib is recommended.

