Review of the PyAutoGUI Functions

Since this chapter covered many different functions, here is a quick summary reference:

- **moveTo(*x, y*)**. Moves the mouse cursor to the given *x* and *y* coordinates.

- **moveRel(*xOffset, yOffset*)**. Moves the mouse cursor relative to its current position.

- **dragTo(*x, y*)**. Moves the mouse cursor while the left button is held down.

- **dragRel(*xOffset, yOffset*)**. Moves the mouse cursor relative to its current position while the left button is held down.

- **click(*x, y, button*)**. Simulates a click (left button by default).

- **rightClick()**. Simulates a right-button click.

- **middleClick()**. Simulates a middle-button click.

- **doubleClick()**. Simulates a double left-button click.

- **mouseDown(*x, y, button*)**. Simulates pressing down the given button at the position *x, y*.

- **mouseUp(*x, y, button*)**. Simulates releasing the given button at the position *x, y*.

- **scroll(*units*)**. Simulates the scroll wheel. A positive argument scrolls up; a negative argument scrolls down.

- **typewrite(*message*)**. Types the characters in the given message string.

- **typewrite([*key1, key2, key3*])**. Types the given keyboard key strings.

- **press(*key*)**. Presses the given keyboard key string.

- **keyDown(*key*)**. Simulates pressing down the given keyboard key.

- **keyUp(*key*)**. Simulates releasing the given keyboard key.

- **hotkey([*key1, key2, key3*])**. Simulates pressing the given keyboard key strings down in order and then releasing them in reverse order.

- **screenshot()**. Returns a screenshot as an Image object. (See Chapter 17 for information on Image objects.)