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Senior Seminar

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I made the file TestingGuiWindow.py. This contains a GUI application that can be used for testing the mouse and keyboard interactions through rdpy. The application is created using Tkinter in place buttons, text entry fields and labels on the screen. The strangest thing I encountered while programming this was the usage of lambda to set a command to a button press. I had just put the command itself, but it would run the command immediately and never when the button was pressed. I did some research and found the usage of lambda to accomplish what I was trying to do.

To run TestingGuiWindow.py, you have to open the file with a Python launcher. As long as you have Tkinter installed (and it seems to come with Python downloads automatically) you should have no trouble running it. The application was written in Python 3.4, but runs in Python 2.7 as well, and does not rely on any other packages besides Tkinter.

Our system for adding keyboard and mouse commands that can be programmatically entered through rdpy relies on the ability to have coordinates on the screen. As such, the GUI buttons print their coordinates when clicked. The window can be moved and the coordinates will change accordingly the next time the button is clicked. When a button is clicked, the button turns red. There is also a text box where keystrokes can be entered to test keyboard commands. A button next to the textbox takes the text in the box and prints it to the screen, clearing the text box.