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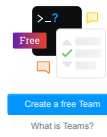
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How to drag text which is printed over Image (in canvas) using mouse in python?

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Asked 2 years ago Active 2 years ago Viewed 208 times

I want to add a **Drag Text Feature** in canvas to change the position of text using mouse.

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When you run the code it will firstly open a window with name 'Demo' which contains one entry box and a button.
When you click on a Button 'Click Me' after entering some text into entry box it will go to a function **func_image** and opens a new window which contain a canvas filled with new_image.

python tkinter python-imaging-library mouse draggable

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asked Feb 26 '19 at 13:59

Bhavesh Mevada 107 ● 2 ● 10

I don't see a text object. Are you referring to the image that contains some text? I don't see any code related to dragging the text (or image). What problem are you having? – Bryan Oakley Feb 26 '19 at 14:55

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1 Answer

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Quick Disclaimer: I don't have a lot of experience with PIL, so I don't know how to remove text that has already been drawn. Maybe you can figure that one out yourself. But apart from that, I know some things about tkinter. My idea would be the following:

Bind a function to the <B1-motion> event (Button 1 is being held down and moved) that will constantly get the position of the mouse inside the window and draw new text at that position, while deleting the previous text.

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That being said, I think it would be a better idea to use `Canvas.create_text` (more on effbot.org) in order to write your text on the image. It's really easy to drag around text on a `Canvas`, here's a little example:

```
import tkinter as tk

root = tk.Tk()

def change_position(event):
    x = event.x
    y = event.y

    # 20x20 square around mouse to make sure text only gets targeted if the mouse is near it
    if text in c.find_overlapping(str(x-10), str(y-10), str(x+10), str(y+10)):
        c.coords(text, x, y) # move text to mouse position

c = tk.Canvas(root)
c.pack(anchor="n")

text = c.create_text('10', '10', text='text', fill='red', font=('arial', 18)) # you can de
c.bind("<B1-Motion>", change_position)

root.mainloop()
```

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edited Mar 4 '19 at 11:33

answered Feb 26 '19 at 15:03

Flob 838 ● 1 ● 3 ● 14

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


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