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import tkinter as tk
from PIL import ImageTk, Image
class ImageVisualizer:
  def init (self, root):
     self.root = root
     self.root.title("Image Visualizer")
    # Create a canvas to display the image
     self.canvas = tk.Canvas(root, width=500, height=500)
     self.canvas.pack()
    # Create buttons
     self.btn open = tk.Button(root, text="Open Image", command=self.open_image)
     self.btn open.pack(side=tk.LEFT, padx=10, pady=10)
     self.btn close = tk.Button(root, text="Close Image", command=self.close image,
state=tk.DISABLED)
     self.btn close.pack(side=tk.LEFT, padx=10, pady=10)
     self.image = None
  def open image(self):
     # Open a file dialog to select an image
    filepath = tk.filedialog.askopenfilename(filetypes=[("Image files", "*.jpg;*.png;*.jpeg")])
     if filepath:
       # Open the image file
       image = Image.open(filepath)
       # Resize the image to fit the canvas
       image = image.resize((500, 500), Image.ANTIALIAS)
       # Convert the image to Tkinter format
       self.image = ImageTk.PhotoImage(image)
       # Clear the canvas
       self.canvas.delete("all")
       # Display the image on the canvas
       self.canvas.create image(0, 0, anchor=tk.NW, image=self.image)
       # Disable the Open Image button and enable the Close Image button
       self.btn open.config(state=tk.DISABLED)
       self.btn close.config(state=tk.NORMAL)
  def close_image(self):
    # Clear the canvas
```

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self.canvas.delete("all")

# Reset the image variable
self.image = None

# Enable the Open Image button and disable the Close Image button
self.btn_open.config(state=tk.NORMAL)
self.btn_close.config(state=tk.DISABLED)

if __name__ == "__main__":
    root = tk.Tk()
    app = ImageVisualizer(root)
    root.mainloop()
```