

~\OneDrive\Desktop\img to pdf.py\pdf.py

```
1 import tkinter as tk
2 from tkinter import filedialog
3 from reportlab.pdfgen import canvas
4 from PIL import Image
5 import os
6
7 class ImageToPDFConverter:
8     def __init__(self, root):
9         self.root = root
10        self.image_paths = []
11        self.output_pdf_name = tk.StringVar()
12        self.selected_images_listbox = tk.Listbox(root, selectmode=tk.MULTIPLE)
13
14        self.initialize_ui()
15
16    def initialize_ui(self):
17        title_label = tk.Label(self.root, text="Image To Pdf Converter", font=
18        ("Helvetica", 16, "bold"))
19
20        title_label.pack(pady=10)
21
22        select_images_button = tk.Button(self.root, text="Select Images",
23        command=self.select_images)
24        select_images_button.pack(pady=(0, 10))
25
26        self.selected_images_listbox.pack(pady=(0, 10), fill=tk.BOTH, expand=True)
27
28        label = tk.Label(self.root, text="Enter Output PDF Name:")
29        label.pack()
30
31        pdf_name_entry = tk.Entry(self.root, textvariable=self.output_pdf_name, width=40,
32        justify='center')
33        pdf_name_entry.pack()
34
35        convert_button = tk.Button(self.root, text="Convert To PDF",
36        command=self.convert_images_to_pdf)
37        convert_button.pack(pady=(20, 40))
38
39    def select_images(self):
40        self.image_paths = filedialog.askopenfilenames(title="Select Images", filetypes=
41        [("Image files", "*.png;*.jpg;*.jpeg")])
42        self.update_selected_images_listbox()
43
44    def update_selected_images_listbox(self):
45        self.selected_images_listbox.delete(0, tk.END)
46
47        for image_path in self.image_paths:
48            _, image_path = os.path.split(image_path)
49            self.selected_images_listbox.insert(tk.END, image_path)
50
51    def convert_images_to_pdf(self):
52        if not self.image_paths:
```

```
48         return
49
50         output_pdf_path=self.output_pdf_name.get() + ".pdf" if self.output_pdf_name.get()
else "output.pdf"
51
52         pdf=canvas.Canvas(output_pdf_path, pagesize=(612, 792))
53
54         for image_path in self.image_paths:
55             img=Image.open(image_path)
56             available_width=540
57             available_height=720
58             scale_factor=min(available_width / img.width, available_height / img.height)
59             new_width= img.width * scale_factor
60             new_height= img.height * scale_factor
61             x_centered= (612- new_width) / 2
62             y_centered= (792-new_height) / 2
63
64             pdf.setFillColorRGB(255, 255, 255)
65             pdf.rect(0, 0, 612, 792, fill=True)
66             pdf.drawInlineImage(img, x_centered, y_centered, width=new_width,
height=new_height)
67             pdf.showPage()
68
69         pdf.save()
70
71
72
73
74
75 def main():
76     root=tk.Tk()
77     root.title("Image To Pdf")
78     converter=ImageToPDFConverter(root)
79     root.geometry("400x600")
80     root.mainloop()
81
82 if __name__=="__main__":
83     main()
84
```