Day 23 task

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| --- |
| importtkinterastk |
|  | from tkinter.filedialog import askopenfilename |
|  | from PyPDF2 import PdfFileMerger, PdfFileReader |
|  | from pathlib import Path |
|  | filelist = [] |
|  | # initiate merger Object |
|  | merger = PdfFileMerger() |
|  | def open\_file(files): |
|  | filepath = askopenfilename( |
|  | filetypes=[("PDF Files","\*.pdf"), ("All Files", "\*.\*")] |
|  | ) |
|  | if not(filepath and Path(filepath).exists()): |
|  | return |
|  | files.append(filepath) |
|  | # list out all filenames |
|  | lbl\_items["text"] = '\n'.join(str(f) for f in files) |
|  | if len(files) >= 2 and btn\_merge['state'] == "disabled": |
|  | btn\_merge["state"] = "normal" |
|  | def merge\_pdfs(files): |
|  | for f in files: |
|  | merger.append(PdfFileReader(open(f, "rb"))) |
|  | output\_filename = ent\_output\_name.get() |
|  | if not output\_filename: |
|  | output\_filename = "Untitled.pdf" |
|  | elif ".pdf" not in output\_filename: |
|  | output\_filename += ".pdf" |
|  | merger.write(output\_filename) |
|  |  |
|  | # create desktop GUI |
|  | window = tk.Tk() |
|  | window.title("PDFMerger Tk") |
|  | window.geometry("500x500") |
|  | # not allowed resizing x y direction |
|  | window.resizable(0,0) |
|  |  |
|  | # --- Ask open files --- |
|  | fr\_bg1 = tk.Frame(window, bd=3) |
|  | lbl\_open = tk.Label(fr\_bg1, text="Please choose PDFs to join: (2 and above)") |
|  | lbl\_open.grid(row=0, column=0, sticky="ew", padx=5, pady=5) |
|  |  |
|  | btn\_open = tk.Button(fr\_bg1, text="Open file",bg='royalblue', fg='white',font=('helvetica', 12, 'bold') , |
|  | command=lambda: open\_file(filelist)) |
|  | btn\_open.grid(row=1, column=0, sticky="ew", padx=5) |
|  | lbl\_items = tk.Label(fr\_bg1, text="") |
|  | lbl\_items.grid(row=2, column=0, pady=5) |
|  | fr\_bg1.pack() |
|  |  |
|  | # --- Button to merge PDFs --- |
|  | fr\_bg2 = tk.Frame(window, bd=3) |
|  | lbl\_to\_merge = tk.Label(fr\_bg2, text="Merge selected files (in PDF)") |
|  | lbl\_to\_merge.grid(row=0, column=0, sticky="ew", padx="5", pady="5") |
|  |  |
|  | ent\_output\_name = tk.Entry(master=fr\_bg2, width=7) |
|  | ent\_output\_name.grid(row=1, column=0, sticky="ew") |
|  |  |
|  | btn\_merge = tk.Button(fr\_bg2,bg='royalblue',font=('helvetica', 12, 'bold') , |
|  | text="Merge PDF", |
|  | state="disabled", |
|  | command=lambda: merge\_pdfs(filelist)) |
|  | btn\_merge.grid(row=2, column=0, sticky="ew", padx=5, pady=5) |
|  | fr\_bg2.pack() |
|  |  |
|  |  |
|  | btn\_exit = tk.Button(window, text="Exit", command=window.destroy, bd=2, bg='royalblue', fg='black',font=('helvetica', 12, 'bold') ,) |
|  | btn\_exit.pack(side=tk.BOTTOM, fill=tk.BOTH, expand=tk.FALSE) |
|  |  |
|  | if \_\_name\_\_ == "\_\_main\_\_": |
|  | window.mainloop() |