Исходный код приложения «Информационная система преобразования текста из формата jpg в формат doc»

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| import sys import os import tkinter as tk from tkinter import filedialog from PIL import Image, ImageEnhance, ImageFilter import pytesseract from docx import Document  current\_dir = getattr(sys, '\_MEIPASS', os.path.abspath(os.path.dirname(\_\_file\_\_))) tesseract\_path = os.path.join(current\_dir, 'tesseract-ocr/tesseract.exe') pytesseract.pytesseract.tesseract\_cmd = tesseract\_path  class JpegToDocConverter:  def \_\_init\_\_(self, root):  self.root = root  self.root.title("Image to Doc Converter")  self.create\_widgets()   def create\_widgets(self):  font = ('Arial', 14)   self.label = tk.Label(self.root, text="Выберите изображение", font=font, wraplength=600)  self.label.pack(pady=10)   self.browse\_button = tk.Button(self.root, text="Выбрать", command=self.browse\_file, font=font)  self.browse\_button.pack(pady=10)   self.convert\_button = tk.Button(self.root, text="Преобразовать", command=self.convert\_to\_doc, font=font)  self.convert\_button.pack(pady=10)  self.convert\_button.config(state=tk.DISABLED)   self.file\_saved = False   def browse\_file(self):  file\_path = filedialog.askopenfilename(filetypes=[("Image files", "\*.jpg;\*.jpeg;\*.png")])  if file\_path:  self.file\_path = file\_path  self.label.config(text=f"Выбрано: {file\_path}")  self.convert\_button.config(state=tk.NORMAL)  self.file\_saved = False  else:  self.label.config(text="Файл не выбран")  self.convert\_button.config(state=tk.DISABLED)   def convert\_to\_doc(self):  if hasattr(self, 'file\_path'):  preprocessed\_image = self.preprocess\_image(self.file\_path)  text = pytesseract.image\_to\_string(preprocessed\_image, lang='rus+eng')   doc = Document()  doc.add\_paragraph(text)   save\_path = filedialog.asksaveasfilename(defaultextension=".doc", filetypes=[("Word files", "\*.doc")])  if save\_path:  doc.save(save\_path)  self.label.config(text=f"Результат сохранен в {save\_path}")  self.file\_saved = True   def preprocess\_image(self, image\_path):  image = Image.open(image\_path)  image = image.convert("L")  image = image.filter(ImageFilter.GaussianBlur(radius=0.3))  return image  root = tk.Tk() root.geometry('700x250+200+100') root.resizable(False, False) app = JpegToDocConverter(root) root.mainloop() |