import tkinter as tk

from tkinter import messagebox

import sqlite3

import pandas as pd

from openpyxl import Workbook

from openpyxl.utils import get\_column\_letter

# Criação da janela principal

window = tk.Tk()

window.title("Cadastro de Clientes")

window.geometry("800x500")

# Funções dos botões

def cadastrar\_cliente():

conexao = sqlite3.connect('clientes.db')

c = conexao.cursor()

# Inserir dados na tabela:

c.execute("INSERT INTO clientes (nome, sobrenome, email, telefone, evento, data, valor, forma\_pagamento, status) "

"VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)",

(

entry\_nome.get(),

entry\_sobrenome.get(),

entry\_email.get(),

entry\_telefone.get(),

entry\_evento.get(),

entry\_data.get(),

entry\_valor.get(),

entry\_forma\_pagamento.get(),

entry\_status.get()

))

# Commit as mudanças:

conexao.commit()

# Fechar o banco de dados:

conexao.close()

# Apaga os valores das caixas de entrada

entry\_nome.delete(0, "end")

entry\_sobrenome.delete(0, "end")

entry\_email.delete(0, "end")

entry\_telefone.delete(0, "end")

entry\_evento.delete(0, "end")

entry\_data.delete(0, "end")

entry\_valor.delete(0, "end")

entry\_forma\_pagamento.delete(0, "end")

entry\_status.delete(0, "end")

def excluir\_cliente():

conexao = sqlite3.connect('clientes.db')

c = conexao.cursor()

cliente\_id = entry\_id\_exclusao.get()

c.execute("DELETE FROM clientes WHERE id=?", (cliente\_id,))

conexao.commit()

conexao.close()

entry\_id\_exclusao.delete(0, "end")

def exporta\_clientes():

conexao = sqlite3.connect('clientes.db')

df = pd.read\_sql\_query("SELECT \* FROM clientes", conexao)

conexao.close()

# Salvar o DataFrame em um arquivo Excel

writer = pd.ExcelWriter('clientes.xlsx', engine='openpyxl')

df.to\_excel(writer, index=False)

# Ajustar a largura das colunas

workbook = writer.book

worksheet = workbook.active

for column\_cells in worksheet.columns:

length = max(len(str(cell.value)) for cell in column\_cells)

worksheet.column\_dimensions[get\_column\_letter(column\_cells[0].column)].width = length + 2

# Salvar as alterações e fechar o escritor

writer.save()

writer.close()

messagebox.showinfo('Exportar para Excel', 'Clientes exportados com sucesso!')

# Labels

label\_nome = tk.Label(window, text="Nome:")

label\_nome.grid(row=0, column=0, padx=10, pady=5)

label\_sobrenome = tk.Label(window, text="Sobrenome:")

label\_sobrenome.grid(row=1, column=0, padx=10, pady=5)

label\_email = tk.Label(window, text="Email:")

label\_email.grid(row=2, column=0, padx=10, pady=5)

label\_telefone = tk.Label(window, text="Telefone:")

label\_telefone.grid(row=3, column=0,

padx=10, pady=5)

label\_evento = tk.Label(window, text="Evento:")

label\_evento.grid(row=4, column=0, padx=10, pady=5)

label\_data = tk.Label(window, text="Data:")

label\_data.grid(row=5, column=0, padx=10, pady=5)

label\_valor = tk.Label(window, text="Valor:")

label\_valor.grid(row=6, column=0, padx=10, pady=5)

label\_forma\_pagamento = tk.Label(window, text="Forma de Pagamento:")

label\_forma\_pagamento.grid(row=7, column=0, padx=10, pady=5)

label\_status = tk.Label(window, text="Status:")

label\_status.grid(row=8, column=0, padx=10, pady=5)

label\_id\_exclusao = tk.Label(window, text="ID para exclusão:")

label\_id\_exclusao.grid(row=10, column=0, padx=10, pady=5)

# Entradas

entry\_nome = tk.Entry(window)

entry\_nome.grid(row=0, column=1, padx=10, pady=5)

entry\_sobrenome = tk.Entry(window)

entry\_sobrenome.grid(row=1, column=1, padx=10, pady=5)

entry\_email = tk.Entry(window)

entry\_email.grid(row=2, column=1, padx=10, pady=5)

entry\_telefone = tk.Entry(window)

entry\_telefone.grid(row=3, column=1, padx=10, pady=5)

entry\_evento = tk.Entry(window)

entry\_evento.grid(row=4, column=1, padx=10, pady=5)

entry\_data = tk.Entry(window)

entry\_data.grid(row=5, column=1, padx=10, pady=5)

entry\_valor = tk.Entry(window)

entry\_valor.grid(row=6, column=1, padx=10, pady=5)

entry\_forma\_pagamento = tk.Entry(window)

entry\_forma\_pagamento.grid(row=7, column=1, padx=10, pady=5)

entry\_status = tk.Entry(window)

entry\_status.grid(row=8, column=1, padx=10, pady=5)

entry\_id\_exclusao = tk.Entry(window)

entry\_id\_exclusao.grid(row=10, column=1, padx=10, pady=5)

# Botões

button\_cadastrar = tk.Button(window, text="Cadastrar", command=cadastrar\_cliente)

button\_cadastrar.grid(row=9, column=0, padx=10, pady=5)

button\_excluir = tk.Button(window, text="Excluir", command=excluir\_cliente)

button\_excluir.grid(row=9, column=1, padx=10, pady=5)

button\_exportar = tk.Button(window, text="Exportar para Excel", command=exporta\_clientes)

button\_exportar.grid(row=11, column=0, padx=10, pady=5)

# Execução da janela principal

window.mainloop()