

tkinter

September 23, 2023

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[44]: import tkinter as tk
from tkinter import ttk
import re

def validate_name(name):
    return re.match(r'^[A-Za-z\s]+$', name)

def validate_email(email):
    return re.match(r'^[a-zA-Z0-9_+.-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-]+$$', email)

def validate_phone(phone):
    return re.match(r'^\d{10}$', phone)

def submit():
    name = name_entry.get()
    email = email_entry.get()
    phone = phone_entry.get()
    dob_date = date_var.get()
    dob_month = month_var.get()
    dob_year = year_var.get()

    if not validate_name(name):
        result_label.config(text="Invalid Name", foreground="red")
        return
    if not validate_email(email):
        result_label.config(text="Invalid Email", foreground="red")
        return
    if not validate_phone(phone):
        result_label.config(text="Invalid Phone Number", foreground="red")
        return

    result_label.config(text=f"Name: {name}\nEmail: {email}\nPhone: {phone}\nDoB: {dob_date}-{dob_month}-{dob_year}", foreground="green")

root = tk.Tk()
root.title("Gym Management Form")
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style = ttk.Style()
style.configure('TLabel', font=('Arial', 12), foreground='#333333') # Change
    ↳label text color
style.configure('TButton', font=('Arial', 12), background='black',
    ↳foreground='black') # Change button color
style.configure('TEntry', font=('Arial', 12), fieldbackground='#f3f3f3') #
    ↳Change entry field color

# Labels and Entry fields with padding
name_label = ttk.Label(root, text="Name:")
name_label.grid(row=0, column=0, sticky="w", padx=10, pady=(10, 0), ipadx=5,
    ↳ipady=5) # Add padding and increase size
name_entry = ttk.Entry(root)
name_entry.grid(row=0, column=1, padx=10, pady=(10, 0), ipadx=5, ipady=5) #
    ↳Add padding and increase size

email_label = ttk.Label(root, text="Email:")
email_label.grid(row=1, column=0, sticky="w", padx=10, pady=(10, 0), ipadx=5,
    ↳ipady=5) # Add padding and increase size
email_entry = ttk.Entry(root)
email_entry.grid(row=1, column=1, padx=10, pady=(10, 0), ipadx=5, ipady=5) #
    ↳Add padding and increase size

phone_label = ttk.Label(root, text="Phone:")
phone_label.grid(row=2, column=0, sticky="w", padx=10, pady=(10, 0), ipadx=5,
    ↳ipady=5) # Add padding and increase size
phone_entry = ttk.Entry(root)
phone_entry.grid(row=2, column=1, padx=10, pady=(10, 0), ipadx=5, ipady=5) #
    ↳Add padding and increase size

# DoB components
dob_label = ttk.Label(root, text="Date of Birth:")
dob_label.grid(row=3, column=0, sticky="w", padx=10, pady=(10, 0), ipadx=5,
    ↳ipady=5) # Add padding and increase size

# Date
date_var = tk.StringVar()
date_dropdown = ttk.Combobox(root, textvariable=date_var, values=[str(i) for i
    ↳in range(1, 32)], width=4)
date_dropdown.grid(row=3, column=1, sticky="w", padx=(5, 0), pady=(10, 0),
    ↳ipadx=5, ipady=5) # Add padding and increase size
date_dropdown.set("Day")

# Month
month_var = tk.StringVar()

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month_dropdown = ttk.Combobox(root, textvariable=month_var, values=[
    "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct",
    ↪ "Nov", "Dec"
], width=3)
month_dropdown.grid(row=3, column=2, sticky="w", padx=(35, 5), pady=(10, 0),
    ↪ ipadx=5, ipady=5) # Add padding and increase size
month_dropdown.set("Month")

# Year
year_var = tk.StringVar()
year_dropdown = ttk.Combobox(root, textvariable=year_var, values=[str(i) for i
    ↪ in range(1900, 2024)], width=4)
year_dropdown.grid(row=3, column=1, sticky="e", padx=(5, 10), pady=(10, 0),
    ↪ ipadx=5, ipady=5) # Add padding and increase size
year_dropdown.set("Year")

# Gender dropdown
gender_label = ttk.Label(root, text="Gender:")
gender_label.grid(row=4, column=0, sticky="w", padx=10, pady=(10, 0), ipadx=5,
    ↪ ipady=5) # Add padding and increase size
gender_var = tk.StringVar(value="Male")
gender_dropdown = ttk.Combobox(root, textvariable=gender_var, values=["Male",
    ↪ "Female", "Other"])
gender_dropdown.grid(row=4, column=1, sticky="w", padx=10, pady=(10, 0),
    ↪ ipadx=5, ipady=5) # Add padding and increase size

# Submit button
submit_button = ttk.Button(root, text="Submit", command=submit)
submit_button.grid(row=5, column=0, columnspan=2, pady=(20, 10), ipadx=10,
    ↪ ipady=5) # Add padding and increase size

# Result label
result_label = ttk.Label(root, text="", font=('Arial', 12))
result_label.grid(row=6, column=0, columnspan=2)

root.mainloop()

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