

# sagar-250-lab10

September 23, 2023

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[1]: # Q1. Apply regular expression for form validation. Create your domain-form
      ↳ using Tkinter
      # Module.
      # Form should contain Text box [For Name, Email Id, Phone number], Dropdown
      ↳ [for
      # Gender], Spinbox [for Year/DoB] and other necessary widgets required for your
      # domain.
      # Validate Your Name, Email Id, Phone number in the form.

import tkinter as tk
import re
from tkinter import messagebox

def validateEmail(email):
    pattern = r'^[\w\.-]+@[\w\.-]+\.\w+$'
    return re.match(pattern, email) is not None

def validatePhone(phone):
    pattern = r'^\d{10}$'
    return re.match(pattern, phone) is not None

def submitform():
    name = nameEntry.get()
    email = emailEntry.get()
    phone = phoneEntry.get()
    gender = gender_var.get()
    dob = dob_spinbox.get()

    if not name:
        messagebox.showerror("Error", "Enter a name")
    elif not validateEmail(email):
        messagebox.showerror("Error", "Invalid email address")
    elif not validatePhone(phone):
        messagebox.showerror("Error", "Invalid phone_no format")
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else:
    messagebox.showinfo("Success", "Form submitted successfully")

box = tk.Tk()
box.title("Employee Information Form")
box.geometry("500x500")

tk.Label(box, text="Name:").pack()
nameEntry = tk.Entry(box)
nameEntry.pack()

tk.Label(box, text="Email:").pack()
emailEntry = tk.Entry(box)
emailEntry.pack()

tk.Label(box, text="Phone Number:").pack()
phoneEntry = tk.Entry(box)
phoneEntry.pack()

tk.Label(box, text="Gender:").pack()
gender_var = tk.StringVar()
gender_var.set("Male")
gender_dropdown = tk.OptionMenu(box, gender_var, "Male", "Female", "Other")
gender_dropdown.pack()

tk.Label(box, text="Year of Birth:").pack()
dob_spinbox = tk.Spinbox(box, from_=1900, to=2023)
dob_spinbox.pack()

submit_button = tk.Button(box, text="Submit", command=submitform)
submit_button.pack()

result_label = tk.Label(box, text="", fg="green")
result_label.pack()

box.mainloop()

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