2347102_p10

September 27, 2023

[ ]:
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import tkinter as tk
import re
from tkinter import messagebox

def validate_email(email):
    return re.match(r'^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$', email)

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

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

def calculate_total():
    try:
        quantity = int(quantity_var.get())
        price = float(price_var.get())
        total = quantity * price
        total_label.config(text=f"Total Amount: Rs{total:.2f}")
    except ValueError:
        total_label.config(text="Invalid quantity or price")

def submit_form():
    name = name_entry.get()
    email = email_entry.get()
    phone = phone_entry.get()
    payment_method = payment_var.get()
    shipping_option = shipping_var.get()
    subscribe = subscribe_var.get()

    if not validate_name(name):
        messagebox.showerror("Error", "Invalid name")
        return

    if not validate_email(email):
        messagebox.showerror("Error", "Invalid email")
        return
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    if not validate_phone(phone):
        messagebox.showerror("Error", "Invalid phone number")
        return

    message = f"Name: {name}\nEmail: {email}\nPhone: {phone}\nPayment Method:␣
↪{payment_method}\nShipping Option: {shipping_option}\nSubscribe: {subscribe}"
    messagebox.showinfo("Success", message)
    calculate_total()

root = tk.Tk()
root.title("E-commerce Form")
root.geometry('380x420')
root.resizable(False, False)

name_label = tk.Label(root, text="Name:")
name_label.grid(row=0, column=0, padx=10, pady=5)
name_entry = tk.Entry(root)
name_entry.grid(row=0, column=1, padx=10, pady=5)

email_label = tk.Label(root, text="Email:")
email_label.grid(row=1, column=0, padx=10, pady=5)
email_entry = tk.Entry(root)
email_entry.grid(row=1, column=1, padx=10, pady=5)

phone_label = tk.Label(root, text="Phone:")
phone_label.grid(row=2, column=0, padx=10, pady=5)
phone_entry = tk.Entry(root)
phone_entry.grid(row=2, column=1, padx=10, pady=5)

quantity_label = tk.Label(root, text="Quantity:")
quantity_label.grid(row=3, column=0, padx=10, pady=5)
quantity_var = tk.StringVar()
quantity_entry = tk.Entry(root, textvariable=quantity_var)
quantity_entry.grid(row=3, column=1, padx=10, pady=5)

price_label = tk.Label(root, text="Price per item:")
price_label.grid(row=4, column=0, padx=10, pady=5)
price_var = tk.StringVar()
price_entry = tk.Entry(root, textvariable=price_var)
price_entry.grid(row=4, column=1, padx=10, pady=5)

payment_label = tk.Label(root, text="Payment Method:")
payment_label.grid(row=5, column=0, padx=10, pady=5)
payment_options = ["Credit Card", "PayPal", "Cash on Delivery"]
payment_var = tk.StringVar()
payment_var.set(payment_options[0])
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payment_menu = tk.OptionMenu(root, payment_var, *payment_options)
payment_menu.grid(row=5, column=1, padx=10, pady=5)

shipping_label = tk.Label(root, text="Shipping Option:")
shipping_label.grid(row=6, column=0, padx=10, pady=5)
shipping_var = tk.StringVar()
shipping_var.set("Standard Shipping")
shipping_radio1 = tk.Radiobutton(root, text="Standard Shipping",␣
 ↪variable=shipping_var, value="Standard Shipping")
shipping_radio2 = tk.Radiobutton(root, text="Express Shipping",␣
 ↪variable=shipping_var, value="Express Shipping")
shipping_radio1.grid(row=6, column=1, padx=10, pady=5)
shipping_radio2.grid(row=7, column=1, padx=10, pady=5)

subscribe_var = tk.BooleanVar()
subscribe_checkbox = tk.Checkbutton(root, text="Subscribe to Newsletter",␣
 ↪variable=subscribe_var)
subscribe_checkbox.grid(row=8, columnspan=2, padx=10, pady=5)

calculate_button = tk.Button(root, text="Calculate Total",␣
 ↪command=calculate_total)
calculate_button.grid(row=9, column=0, columnspan=2, padx=10, pady=10)

total_label = tk.Label(root, text="")
total_label.grid(row=10, column=0, columnspan=2, padx=10, pady=5)

submit_button = tk.Button(root, text="Submit", command=submit_form)
submit_button.grid(row=11, column=0, columnspan=2, padx=10, pady=10)

root.mainloop()
```