**ASSIGNMENT 2 - RLMCA 369**

**TKINTER APPLICATION**

SUBMITTED TO,

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**TKINTER APP – BLOOD DONATION**

import tkinter as tk

from tkinter import messagebox

from tkinter import ttk

class BloodDonationApp:

    def \_\_init\_\_(self, master):

        self.master = master

        self.master.title("Blood Donation App")

        self.screen\_width = self.master.winfo\_screenwidth()

        self.screen\_height = self.master.winfo\_screenheight()

        self.create\_eligibility\_screen()

    def create\_eligibility\_screen(self):

        self.eligibility\_screen = tk.Frame(self.master, bg="lightblue")

        self.eligibility\_screen.pack(padx=20, pady=20, fill='both', expand=True)

        ttk.Label(self.eligibility\_screen, text="Blood Donation App", font=("Arial", 24, 'bold'), foreground="blue", background="lightblue").pack(pady=10)

        self.age\_label = ttk.Label(self.eligibility\_screen, text="Enter your age:", font=("Arial", 16), background="lightblue")

        self.age\_label.pack()

        self.age\_entry = ttk.Entry(self.eligibility\_screen, font=("Arial", 14))

        self.age\_entry.pack(pady=10)

        check\_eligibility\_button = ttk.Button(self.eligibility\_screen, text="Check Eligibility", command=self.check\_eligibility, style='TButton')

        check\_eligibility\_button.pack(pady=20)

    def check\_eligibility(self):

        age = int(self.age\_entry.get())

        if age < 18 or age > 65:

            messagebox.showinfo("Ineligible", "You are not eligible to donate blood.")

        else:

            self.create\_details\_page()

    def create\_details\_page(self):

        self.eligibility\_screen.destroy()

        self.details\_page = BloodDonationDetailsPage(self.master)

class BloodDonationDetailsPage:

    def \_\_init\_\_(self, master):

        self.master = master

        self.details\_screen = tk.Frame(self.master, bg="lightblue")

        self.details\_screen.pack(padx=20, pady=20, fill='both', expand=True)

        ttk.Label(self.details\_screen, text="Blood Donation Details", font=("Arial", 24, 'bold'), foreground="green", background="lightblue").pack(pady=10)

        self.name\_label = ttk.Label(self.details\_screen, text="Name:", font=("Arial", 16), background="lightblue")

        self.name\_label.pack()

        self.name\_entry = ttk.Entry(self.details\_screen, font=("Arial", 14))

        self.name\_entry.pack(pady=5)

        self.address\_label = ttk.Label(self.details\_screen, text="Address:", font=("Arial", 16), background="lightblue")

        self.address\_label.pack()

        self.address\_entry = ttk.Entry(self.details\_screen, font=("Arial", 14))

        self.address\_entry.pack(pady=5)

        self.phone\_label = ttk.Label(self.details\_screen, text="Phone:", font=("Arial", 16), background="lightblue")

        self.phone\_label.pack()

        self.phone\_entry = ttk.Entry(self.details\_screen, font=("Arial", 14))

        self.phone\_entry.pack(pady=5)

        self.email\_label = ttk.Label(self.details\_screen, text="Email:", font=("Arial", 16), background="lightblue")

        self.email\_label.pack()

        self.email\_entry = ttk.Entry(self.details\_screen, font=("Arial", 14))

        self.email\_entry.pack(pady=5)

        self.blood\_group\_label = ttk.Label(self.details\_screen, text="Blood Group:", font=("Arial", 16), background="lightblue")

        self.blood\_group\_label.pack()

        self.blood\_group\_entry = ttk.Entry(self.details\_screen, font=("Arial", 14))

        self.blood\_group\_entry.pack(pady=5)

        submit\_button = ttk.Button(self.details\_screen, text="Submit", command=self.print\_details, style='TButton')

        submit\_button.pack(pady=20)

    def print\_details(self):

        name = self.name\_entry.get()

        address = self.address\_entry.get()

        phone = self.phone\_entry.get()

        email = self.email\_entry.get()

        blood\_group = self.blood\_group\_entry.get()

        details = f"Name: {name}\nAddress: {address}\nPhone: {phone}\nEmail: {email}\nBlood Group: {blood\_group}"

        messagebox.showinfo("Donation Details", details)

        self.master.destroy()

if \_\_name\_\_ == "\_\_main\_\_":

    root = tk.Tk()

    app = BloodDonationApp(root)

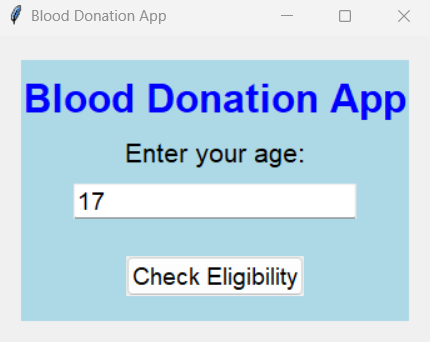
    # Style setup

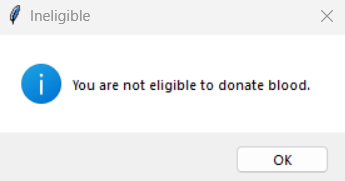
    style = ttk.Style()

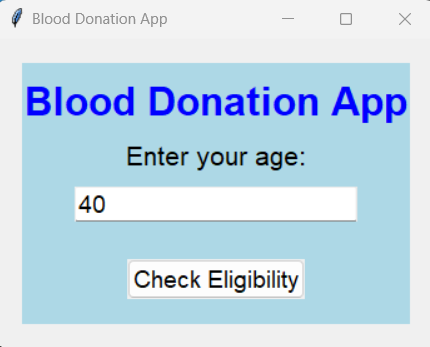
    style.configure('TButton', font=('Arial', 14))

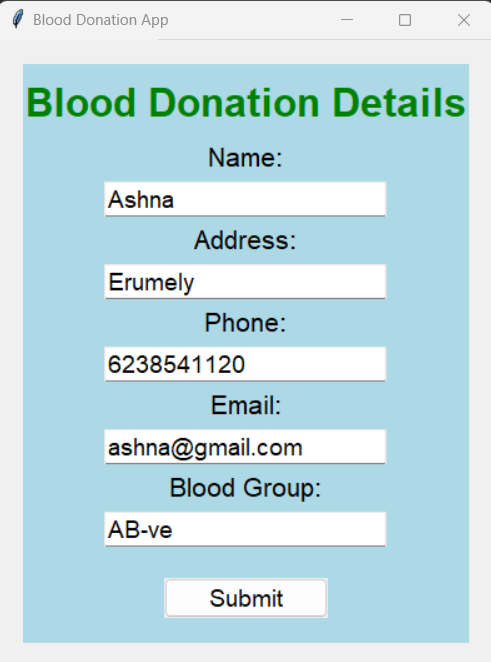
    root.mainloop()

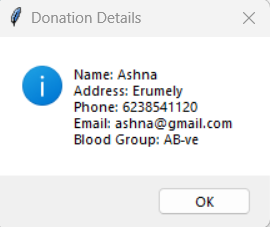
**OUTPUT**

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