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# This project belongs to Mohd Tabish Khan 20231010115006 and Vimal Pandey 202310101150005
from tkinter import messagebox
from firebase_admin import credentials, firestore
cred = credentials.Certificate("serviceAccountKey.json")
firebase_admin.initialize_app(cred)
db = firestore.client()
api_key = "AIzaSyADdFExEyGBDmD-ulDp8GFqTCUj-92UZOs"
expense_counter = 1 # Counter for serial number
data = []
       payload = {
          messagebox.showerror("Fill The Given Details","Make Sure Each Required Details Are Filled")
       loading_window.geometry("200x100")
```

```
messagebox.showerror("Login Failed", data["error"]["message"])
           ExpenseManager( data["localId"],data["idToken"])
    loading window.destroy()
def navigateToSignUp():
    SignUp()
root.configure(bg="black")
no_account_btn = Button(root, text="Don't have an account?",fg=text_color, bg="black", command=navigateToSignUp, font=("Arial", 28))
```

```
def SignUpFunction():
       if (response.status_code == 200):
```

```
signup_button = Button(root, text="Signup", fg="black", bg=text_color, font=("Arial", 28),command=SignUpFunction)
signup_button.place(x=300, y=300)
root.config(bg="black")
def logOut():
```

```
root.update()
           "date": expense.get('date'),
        messagebox.showinfo("Alert", "No more expenses to load.")
    loading window.destrov()
def show initial expenses():
    loading_window.title("Loading...")
    loading_window.geometry("200x100")
    root.update()
```

```
update treeview()
table.heading("#1", text="No")
table.heading("#2", text="Date")
table.heading("#3", text="Spent On")
table.heading("#4", text="Amount")
table.heading("#5", text="Key")
    date_value = date_entry.get()
```

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loading_label.pack(pady=20)
```

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date_label = tk.Label(update_window, text="Date", font=("Arial", 12))
date_label.grid(row=0, column=0, padx=10, pady=10)
date_entry.grid(row=0, column=1, padx=10, pady=10)
spent_on_entry.grid(row=1, column=1, padx=10, pady=10)
amount label = tk.Label(
amount_entry.grid(row=2, column=1, padx=10, pady=10)
   if not (new_date and new_spent_on and new_amount):
```

```
update window.destroy()
    update_button.grid(row=3, column=0, columnspan=2, pady=10)
           update_treeview()
        except Exception as e:
def oncalc():
    Calculator = tk.Toplevel()
    Calculator.geometry("390x650")
    Calculator.config(bg="black")
```

```
global expression
   expression += val
    12.config(text=expression)
def clear():
   global expression
    12.config(text=expression)
           messagebox.showwarning(
12.config(bg="black", fg="white")
       command=clear, activebackground="black", activeforeground="white").place(x=0, v=150)
      command=lambda: show('/'), activebackground="black", activeforeground="white").place(x=100, y=150)
```

```
Button(Calculator, text='+', width=7, height=3, font=(20), bg='#282C35', bd=4, fg='white',
          command=lambda: show('+'), activebackground="black", activeforeground="white").place(x=300, y=350)
          command=lambda: show('1'), activebackground="black", activeforeground="white").place(x=0, y=450)
          command=lambda: show('2'), activebackground="black", activeforeground="white").place(x=100, y=450)
        '.'), activebackground="black", activeforeground="white").place(x=200, y=550)
total columns = 5
table width = 720
style.configure("Treeview",
               background="black".
               foreground="white",
row height = 40
```

```
table.pack()
spent_entry.config(width=14)
clear = Button(root, text="Clear", bg="black", fg="green",
```

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"Arial", 18), command=load_more_expenses)
```

#ServicesAccountKey.json not found :- Please contact Vimal 8427796817 or Tabish - 9519493113