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"""
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"""

import tkinter as tk
from tkinter import ttk
from tkinter import messagebox

from user_record import UserRecord
from task_record import TaskRecord
from database import Database
from gui_states import GUIStates

from register_user import RegisterUser
from login_user import LoginUser
from user_info import UserInfo
from task_browser import TaskBrowser

class GUI():
    def __init__(self):
        # tkinter init
        self.root = tk.Tk()
        self.root.geometry("800x800")

        # db init
        self.db = Database()

        # where you can create a new user
        self.register_user = RegisterUser(self.root, self.db)

        # where you can login to the user
        self.login_user = LoginUser(self.root, self.db)

        # where you can update/delete your user
        self.user_info = UserInfo(self.root, self.db)

        # where you can view/CRUD on the logged in user's tasks
        self.task_browser = TaskBrowser(self.root, self.db)

        # a map that stores the functions to show the different states so that a butto
n in one state can change to another state
        show_map = {
            GUIStates.REGISTER_USER : self.register_user.show,
            GUIStates.LOGIN_USER : self.login_user.show,
            GUIStates.USER_INFO : self.user_info.show,
            GUIStates.TASK_BROWSER : self.task_browser.show
        }
        self.register_user.assign_show_map(show_map)
        self.login_user.assign_show_map(show_map)
        self.user_info.assign_show_map(show_map)
        self.task_browser.assign_show_map(show_map)

        # this is the actual init because now inside the states the self.show_map is v
alid
        self.register_user.init_resources()
        self.login_user.init_resources()
        self.user_info.init_resources()
        self.task_browser.init_resources()

    def __del__(self):
        self.db.close()

    def run(self):

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self.login_user.show()  
self.root.mainloop()
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