Project TO DO Application

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Overview

This project helps people to keep reminding the time schedule. I.e., It helps to track the routine.

Reason Behind the Project

As my first project I want to build something that helps me in my studies and follow daily routines.

So, I created this project like a regular TO DO application.

But, as compared to other TO DO applications, it has some additional features.

They are,

ALARM SYSTEM : It's an alarm system feature which works for reminders.

AUTO SHUT DOWN : Using this feature, we can set a time for automatically shutting down my PC at the end of the day.

Now, I found that this project is useful and helpful for many other users.

Goals

Create a perfect TO DO application for tracking schedules.

Specifications

Modules/Tools/Libraries:

os => To access the operating system. I.e, to operate with directories, operate with files etc.

time => The time module in Python is used to calculate elapsed time in seconds.

datetime => Datetime module supplies classes to work with date and time.

playsound => Pure Python, cross platform, single function module with no dependencies for playing sounds.

- All the libraries or modules are cross platform modules and built in modules except playsound.

Paths:

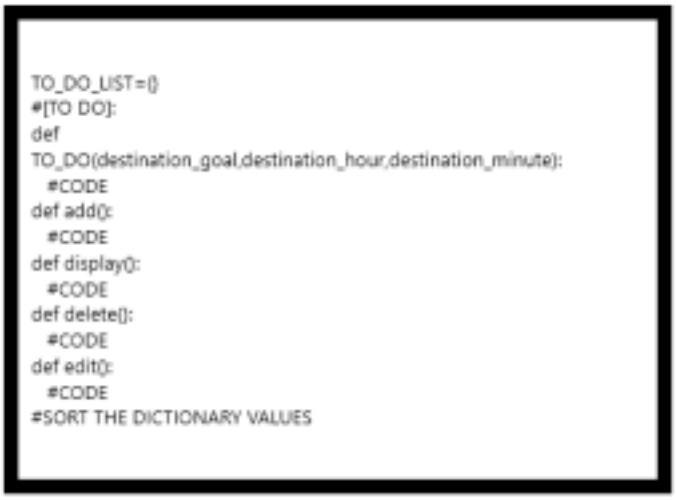
Local path of the working file directory:

```
C:\Users\junil\Desktop\Python\Projects\Project 1 - TO DO Application
```

Music file name: Baarish

GIT REPOSITORY: Nilu0806/TO-DO (github.com)

Basic Structures and Workflow:



```
TO_DO_LIST={}
#[TO DO]:
def
TO_DO(destination_goal,destination_hour,destination_minute):
  #CODE
def add():
  #CODE
def display():
  #CODE
def delete():
  #CODE
def edit():
  #CODE
#SORT THE DICTIONARY VALUES
```

```
def menu():
    print("-----------------------------------")
    print("\nPRESS: [delete]\nPRESS:
[add]\nPRESS: [start]\nPRESS:
[display]\nPRESS: [edit]\n")
    print("-----------------------------------")
    command=input("PRESS: ")
    print("-----------------------------------")
    return command
```

In this To Do Application,
Firstly,

I used a Dictionary TO_DO_LIST={} to store the goal name, time in hour and minute. I can track it by the task number.

Then,

I created an add() function to add elements in TO_DO_LIST.

I created a delete() function to delete elements from TO_DO_LIST.

I created an edit() function to edit elements in TO_DO_LIST.

I created a display() function to display all elements in TO_DO_LIST.

Lastly,

I sorted the TO_DO_LIST w.r.to the time and created a queue type data structure.

I created a TO_DO(goal,hour,min) function to follow the schedule placed in the TO_DO_LIST.

Now, It works on the First in First Out Algorithm as per time.

Finally,

I used the menu() function to apply menu driven functionality into the

application.

That’s all.

Speciality of this TO DO Application user can set the time for PC Shut Down and the remainder system is cristal correct.