

Mini-Project1

To-do-application

June 13th, 2024

Alex, Yoji

Agenda

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Overreview

Objective

Create simple to-do-console-application.

Features

User can add, view, remove tasks.

And also, application suggest task depend on priority and deadline.

How did we use GitHub

We used "GitFlow"

- It is good way to review, test codes

Branches which we made

- main
- develop
- slide
- feature/*

Merged Feature/remove task #7
AlexCortes04 merged 5 commits into develop from feature/remove-task 5 minutes ago

UtsumiYoji requested changes yesterday [View reviewed changes](#)

UtsumiYoji left a comment Collaborator ...

thank you for coding
method is almost good, just reconsider position pls

😊 👍 1

to_do_application.py Outdated Hide resolved

```
... @@ -57,3 +69,5 @@ def start(self):
57 69         self.view_task()
58 70         case 4:
59 71             exit()
72 +
73 + ToDoApplication().start()
```

UtsumiYoji yesterday Collaborator ...

it must be deleted

😊

Reply...

Unresolve conversation UtsumiYoji marked this conversation as resolved.

to_do_application.py Outdated Hide resolved

Comment on lines 22 to 24

```
22 +         if usr_inpt in self.tasks:
23 +             self.tasks.remove(usr_inpt)
24 +             print(f'{usr_inpt}' has been removed from the list.")
```

UtsumiYoji yesterday Collaborator ...

this validation is perfect, but it should be placed before for loop (line 20-21)

😊

Coding - part1

We made validation for start, add, view, delete

start task

- User input is number which is not negative and float
- User input is from 1 to 4.

add task

- User input something (don't accept empty input)

view tasks

- There is any task (there is no task, it will show warning)

delete task

- User input something (don't accept empty input)
- There is any task (there is no task, it will show warning)
- Tasks include user input (don't accept task which is not exists)

Coding - part2 (Create suggestion)

Edit add, view, remove task function

We had to store extra input, deadline and priority, so we edited functions.

Additional validation

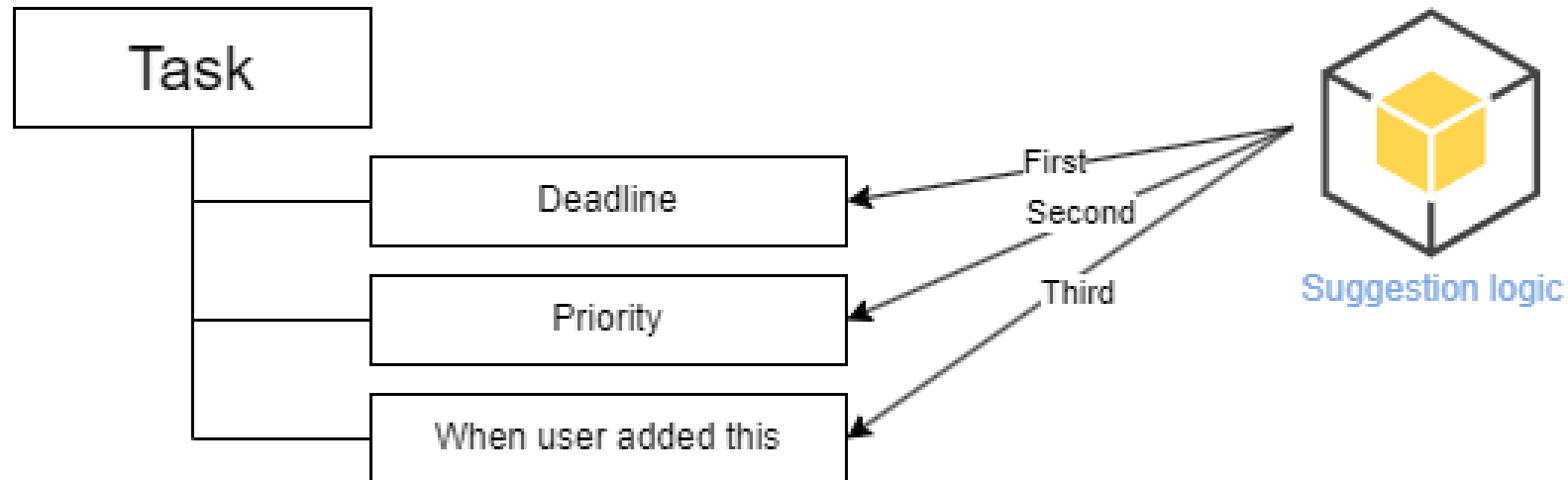
- For priority, we only accept "high", "medium", "low". if user input something else, it shows error.
- For deadline, we only accept "YYYY-MM-DD" formatted date. if user input something else, it shows error.

Warning

- For deadline, if user input past date or today, it shows warning.

Suggestion logic

- Show task which already passed deadline or close to deadline date.
- If there are two or more tasks like that, compare priority. Application would show task which has higher priority.
- if there are two or more task which has same deadline and same priority, application would show task which was added ealier



Coding - additional

Data-Save function

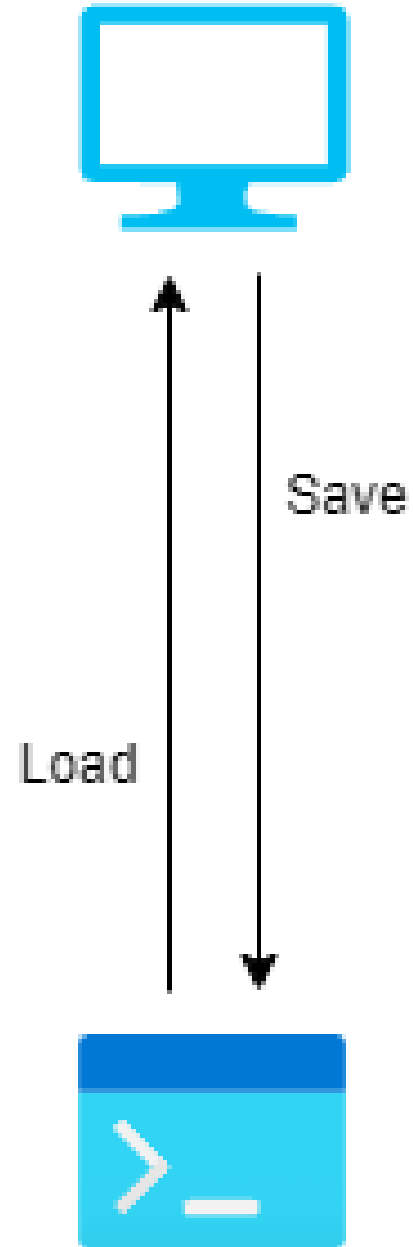
Problem

If you close or exit application, your tasks are gone.

It means when you close and reopen application, there are no task which you have added.

Solution

When you close or exit application, application save tasks in computer harddesk. When you open application, application load data from harddesk



Demonstration

You can see our code here!

https://github.com/AlexCortes04/Mini_project1

Conclusion

What was the challenges and impressions

Yoji

I used to use "GitLab" which is similier to "GitHub", so I was easy to get used to. But it was glad to learn about GitHub. I used "Marp" to make Slides. It was first time to use, but it was very usefull and easy to use.

Alex

Several times, i felt like i was very close to have the problem solved wich wasn't true, but having that false trust on my code, made me keep the wrong path and by consequence, i couldn't understand the right logic quickly.