



Individual Project ToDoList

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Overview

ToDo list is a simple application to save your daily tasks for the user to keep track of daily tasks, this allow a user to

- + Create new tasks.
- + Assign Tasks a title and due date.
- + Choose a project for that task to belong to.
- + Edit, mark as done or remove tasks.
- + Quit and save the current task list to file.
- + Restart the application with the former state restored.



Main User Interface

```
+-----+  
|           Welcome ToDo List  
+-----+  
|           You have 10 tasks todo and 2 tasks are done!  
+-----+  
|   Pick an option:  
+-----+  
|       (1) Show Task List (by date or project)  
+-----+  
|       (2) Add New Task  
+-----+  
|       (3) Edit Task (update, mark as done, remove)  
+-----+  
|       (4) Save and Quit  
+-----+  
|           Please Enter your Choice |  
+-----+
```



Main User Interface

The Main User Interface is the first dialogue between the user and the application.

This interface load the tasks from file and show how many tasks are done and how many are to do.

The user is going to be able to use 4 options:

- +Show Tasks

- +Add task

- +Edit Task

- +Save and quit the application



Show Tasks

```
1
You choose to show all the tasks
  >> Pick an option:
  >> (1) Print all tasks
  >> (2) Print all tasks sorted by date
  >> (3) Print all tasks sorted by Project
  >> (4) Exit
```





Show Tasks

After the user have chosen the option number 1, the previous interface will be shown and the user will be able to choose between 3 options:

show all tasks.

show tasks sorted by date.

show tasks sorted by project given by user.

exit and return to the main interface.



Show all Tasks

Task Index	Title	Status	Date	Project
0	Send a letter	done	Tue Dec 12 00:00:00 CET 2000	ICA
1	Running	to do	Sun Nov 11 00:00:00 CET 2012	Sport
2	shopping	to do	Sun Nov 11 00:00:00 CET 2018	ICA
3	my title0	to do	Mon Aug 31 00:00:00 CEST 2020	Mega project
4	my title1	to do	Tue Sep 01 00:00:00 CEST 2020	Mega project
5	my title2	to do	Wed Sep 02 00:00:00 CEST 2020	Mega project
6	my title3	done	Thu Sep 03 00:00:00 CEST 2020	Mega project
7	my title4	to do	Fri Sep 04 00:00:00 CEST 2020	Mega project
8	my title6	to do	Sun Sep 06 00:00:00 CEST 2020	Mega project
9	my title7	to do	Mon Sep 07 00:00:00 CEST 2020	Mega project
10	my title8	to do	Tue Sep 08 00:00:00 CEST 2020	Mega project
11	my title9	to do	Wed Sep 09 00:00:00 CEST 2020	Mega project

Show all Tasks Sorted By Date

Task Index	Title	Status	Date	Project
0	Send a letter	done	Tue Dec 12 00:00:00 CET 2000	ICA
1	Running	to do	Sun Nov 11 00:00:00 CET 2012	Sport
2	shopping	to do	Sun Nov 11 00:00:00 CET 2018	ICA
3	my title0	to do	Mon Aug 31 00:00:00 CEST 2020	Mega project
4	my title1	to do	Tue Sep 01 00:00:00 CEST 2020	Mega project
5	my title2	to do	Wed Sep 02 00:00:00 CEST 2020	Mega project
6	my title3	done	Thu Sep 03 00:00:00 CEST 2020	Mega project
7	my title4	to do	Fri Sep 04 00:00:00 CEST 2020	Mega project
8	Training	to do	Sat Sep 05 00:00:00 CEST 2020	Sport
9	my title6	to do	Sun Sep 06 00:00:00 CEST 2020	Mega project
10	my title7	to do	Mon Sep 07 00:00:00 CEST 2020	Mega project
11	my title8	to do	Tue Sep 08 00:00:00 CEST 2020	Mega project
12	my title9	to do	Wed Sep 09 00:00:00 CEST 2020	Mega project

Show all Tasks Sorted By a given Project

```
3
```

```
You choose to print all tasks sorted by project
```

```
Enter the project :
```

```
ICA
```

Task Index	Project	Status	Date	Title
0	ICA	done	Tue Dec 12 00:00:00 CET 2000	Send a letter
2	ICA	to do	Sun Nov 11 00:00:00 CET 2018	shopping
.



Add Task

After the user have chosen the option number 2, an interface will be shown and the user will be able to add a new task :

The user must enter the title of the task.

The user must enter the status of the task.

The user must enter the date of the task.

The user must enter the project of the task.





Add a Task

```
2
You choose to add a new task
adding a new task
Please Enter the Title of the Task:
User Manual
Please Enter the Status of the Task:
done
Please Enter the Date of the Task:
Please Enter the Date with this format (yyyy-MM-dd)
2018-10-12
Please Enter the Project of the Task:
Learning
Task Created
```





Edit a Task

After the user have chosen the option number 3, an interface will be shown and the user will be able to edit a task:

The user can update a task.

The user can remove a task.

The user can mark a task as done..

The user can exit from the editing interface to the main interface..





Edit a Task

```
3
```

```
You choose to Edit Task (update, mark as done, remove) >> Pick an option:
```

- >> (1) Update a Task
 - >> (2) Remove a Task
 - >> (3) Mark a task
 - >> (4) Exit
- 



Update a Task

After the user have chosen the option number 1, an interface will be shown and the user will be able to edit a task:

The user can update the title of the task.

The user can update the date of the task.

The user can update the project of the task.

The user can exit from the updating interface to the editing interface.



Update a Task

```
1. Add Task
```

```
1
```

```
You choose to update the title of the task  
Enter the index Element to change his title:
```

```
13
```

```
Enter the new title:
```

```
Testing
```

- The user must put the index of task that he want to update
- This operation is the same with the project and date



Remove a Task

```
You choose to remove a task  
Enter the index Element to be deleted :  
5
```

- ❑ The user must put the index of task that he want to remove.
 - ❑ This interface is the shown when user chose the option 2 in the editing interface.
- 

Mark a Task as done

```
+-----+  
|          Welcome ToDo List |  
+-----+  
|          You have 10 tasks todo and 3 tasks are done! |  
+-----+  
| Pick an option:  
+-----+  
|          (1) Show Task List (by date or project) |  
+-----+  
|          (2) Add New Task |  
+-----+  
|          (3) Edit Task (update, mark as done, remove) |  
+-----+  
|          (4) Save and Quit |  
+-----+  
|          Please Enter your Choice |  
+-----+  
4  
You choose to Save and Quit  
Goodbye!
```

- ❑ This interface is the shown is the main interface, the user must save the modification and quit otherwise all the changes will be gone.(to save and quit the user must choose the option 4)
- ❑ The modifications that have been made will be stored in file.

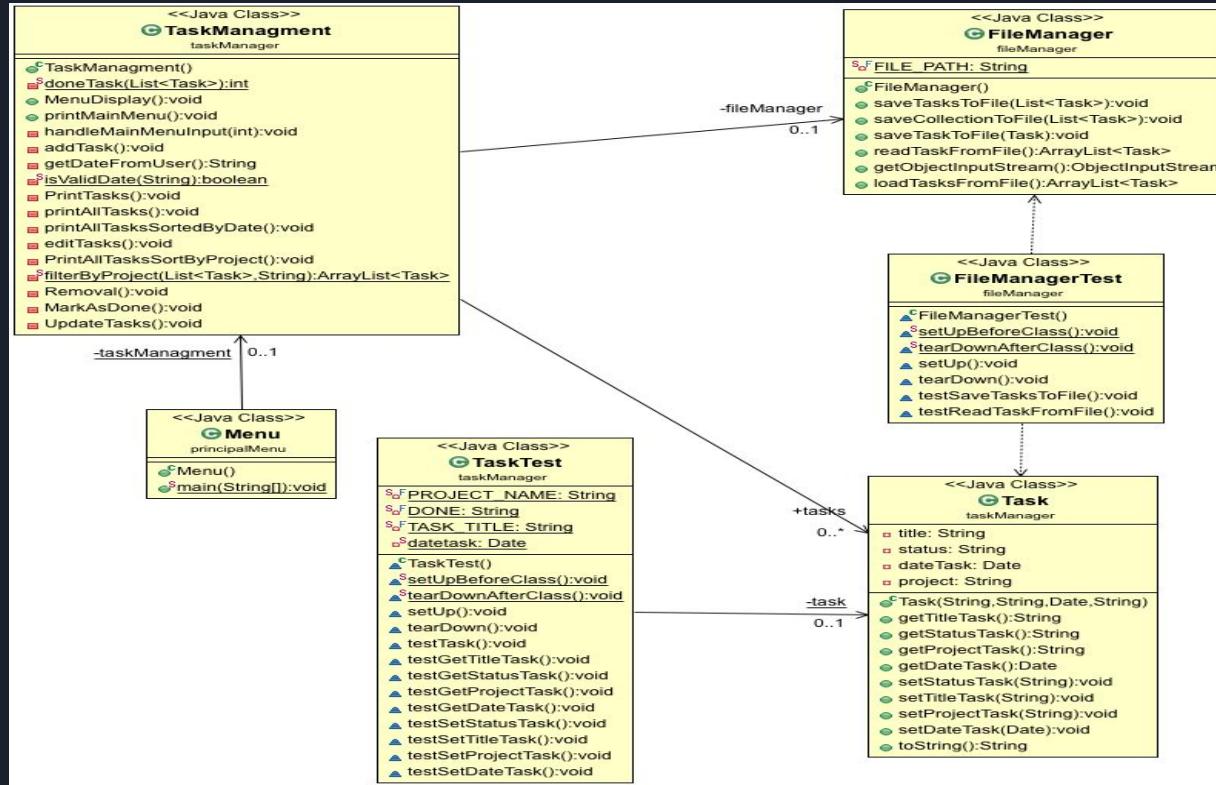


Exit and Save

```
You choose to remove a task  
Enter the index Element to be deleted :  
5
```

- The user must put the index of task that he want to remove.
- This interface is the shown when user chose the option 2 in the editing interface.

Class Diagram



Thank you!

