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CS 151 Homework 2

Part One: CRC Cards

ListDisplay	
show all tasks (regular & important) show only important tasks show completed tasks	ToDoList

Char	ngeTask
add task delete task complete task	ToDoList

ToDoList

MarkTask	
Marks the important tasks. Unmark important tasks.	ToDoList

ListDisplay ChangeTask MarkTask TodoQueue

ToDoQueue	
add/remove items in FIFO order	

Part Two: Use Cases

- 1. Add important task
 - a. User enters input in the command line to update the To Do list.
 - b. User is then shown a menu with a list of options to update the To Do list. The menu shows the following options:

Press 1 to change a task.

Press 2 to add a task

Press 3 to delete a task.

Press 4 to display To Do list

- c. User selects add task
- d. User inputs task
- e. User marks task as important

2. Display completed tasks

- a. User enters input in the command line to update the To Do list.
- b. User is then shown a menu with a list of options to update the To Do list. The menu shows the following options:

Press 1 to change a task.

Press 2 to add a task.

Press 3 to delete a task.

Press 4 to display To Do list

- c. User selects display To Do list
- d. User is shown another menu of options to show tasks. The menu shows the following options:

Press 1 to show all tasks (regular and important).

Press 2 to show important tasks.

Press 3 to show completed tasks.

- e. User selects show completed tasks
- f. Completed tasks are displayed
- 3. Change a task on To Do list
 - a. User enters input in the command line to update the To Do list.
 - b. User is then shown a menu with a list of options to update the To Do list. The menu shows the following options:

Press 1 to change a task.

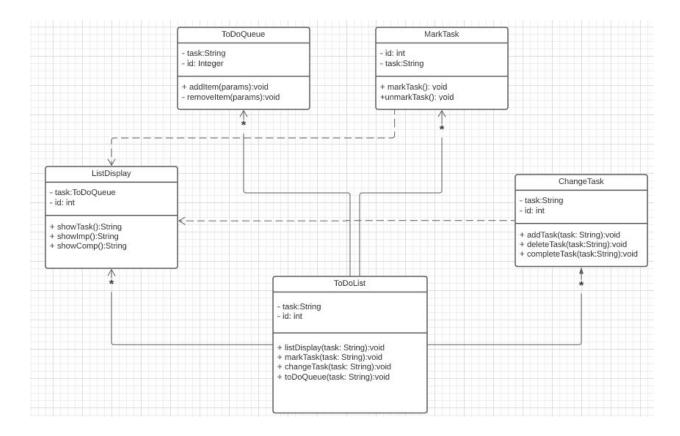
Press 2 to add a task.

Press 3 to delete a task.

Press 4 to display To Do list

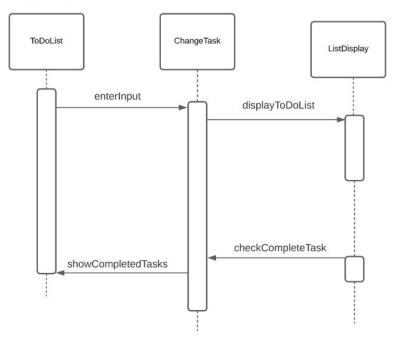
- c. User selects option 1 to change a task.
- d. User is then shown the current list of tasks
- e. User selects a task to change
- f. User inputs new task

Part Three: UML Diagram

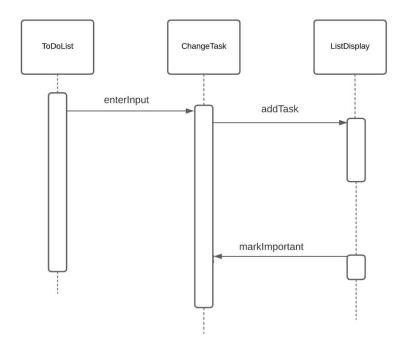


Part Four: Sequence Diagram

Display Completed Tasks



Add Important Task



Part Five: State Diagram

