



TERMINAL APPLICATION

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ABOUT MY APPLICATION

TITLE: Simple TODO list

Simple app that makes and displays the todo-list.
And then display the feedback of the to-do list
after taking the level of achievement from users.

THE FEATURE OF THE APP

1: DISPLAY THE TITLE WITH THE DATE

Gets the date as an argument in the class method and displays it with a title.

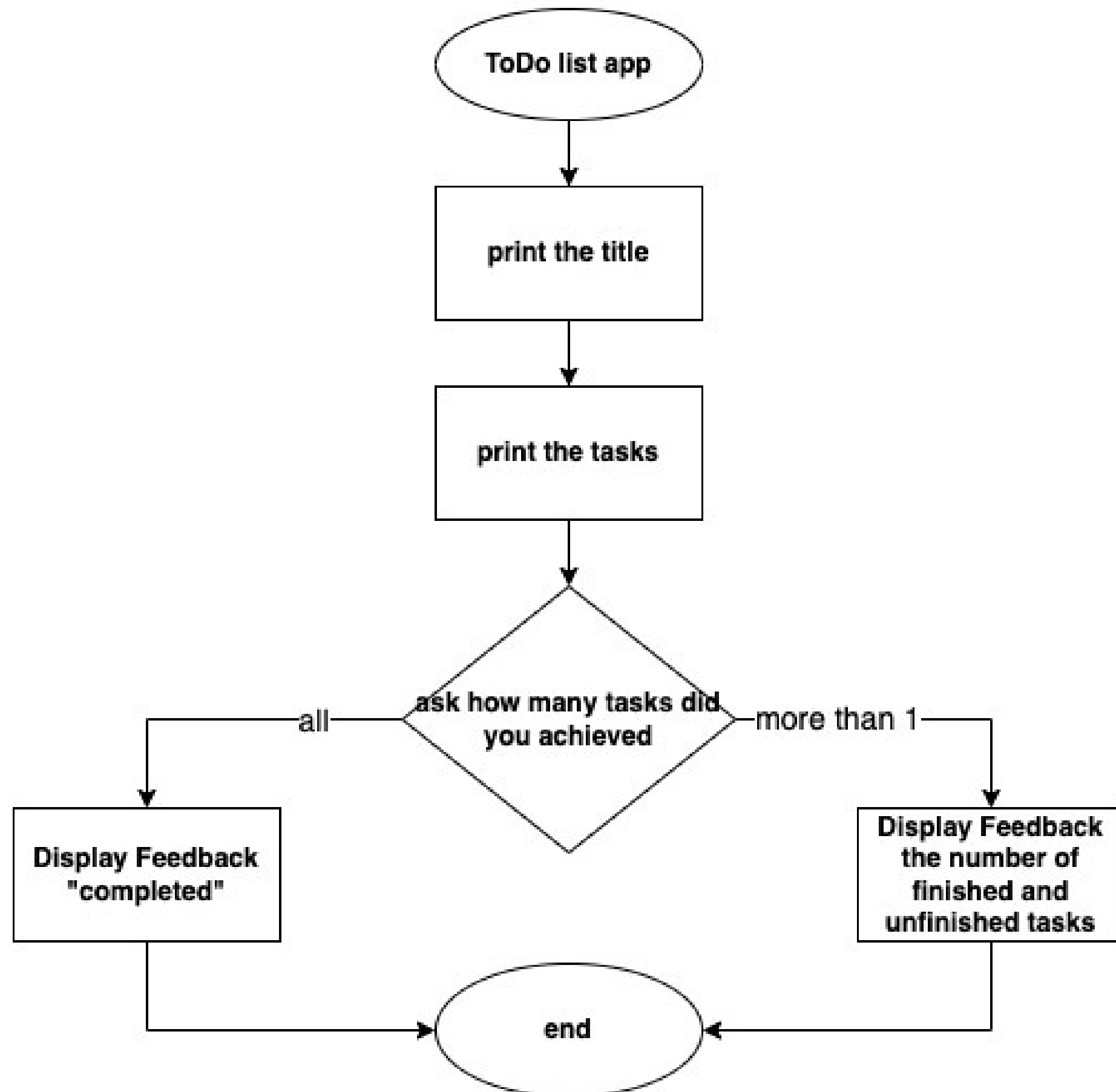
3: DISPLAY THE FEEDBACK

Feedback depends on how many tasks are completed. Ask users how many tasks are finished. If they finished all the tasks, the feedback says, "completed all the tasks!" If the user still has unfinished tasks, then display the number of finished and unfinished tasks.

2: DISPLAY THE TODO LIST

Gets the customer's tasks using ARGV from command line arguments. The arguments will be stored in an array called ARGV. Display the number of each task and task using the array index and value in the iterator.

FLOWCHART



1: DISPLAY THE TITLE WITH DATE

2: DISPLAY THE TODO LIST

3: DISPLAY THE FEEDBACK

CODE

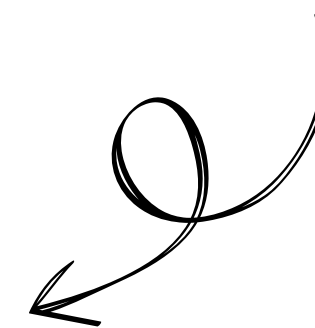
Feature 2: Display the todo list

- ARGV and Iterator -

```
tasks = ARGV
tasks.each_with_index do |task, index|
  puts "#{index.to_i + 1}: #{task}"
end
```

```
ruby todo_list_app.rb "clean my room" "finish assignment" "buy a milk"
1: clean my room
2: finish assignment
3: buy a milk
```

- tasks variable is ARGV which are terminal command-line arguments
- each_with_index method to call the value and index of the array
- display the list of tasks with the number of each task



CODE

Feature 3: Display the feedback
- conditional control structure -
(If/elsif/else)

```
num_complete = $stdin.gets.chomp.to_i
left_num_task = tasks.length - num_complete
if num_complete == tasks.length
  puts "Feedback: Completed all the tasks!"
elsif left_num_task >= 1
  puts "Feedback: You completed #{num_complete} tasks,
and have #{left_num_task} more tasks!"
else
  puts "Error"
end
```

- **num_complete (variable)**
Gets the number of completed tasks
- **left_num_task (variable)**
Calculate how many tasks are left
- **If/elsif/else**
If the number that users enter is
the same with the number of tasks
=> *"Completed all the tasks!"*
If the left of tasks is more than 1
=> *display the number of finished
and unfinished tasks*
else
=> *"Error"*

A REVIEW OF MY DEVELOPMENT PROCESS

CHALLENG

- Error Handling
- Testing code
- Gems

FAVORITE PARTS

- Breakdown
- Iterator
- Control structure

**THANK
YOU**

