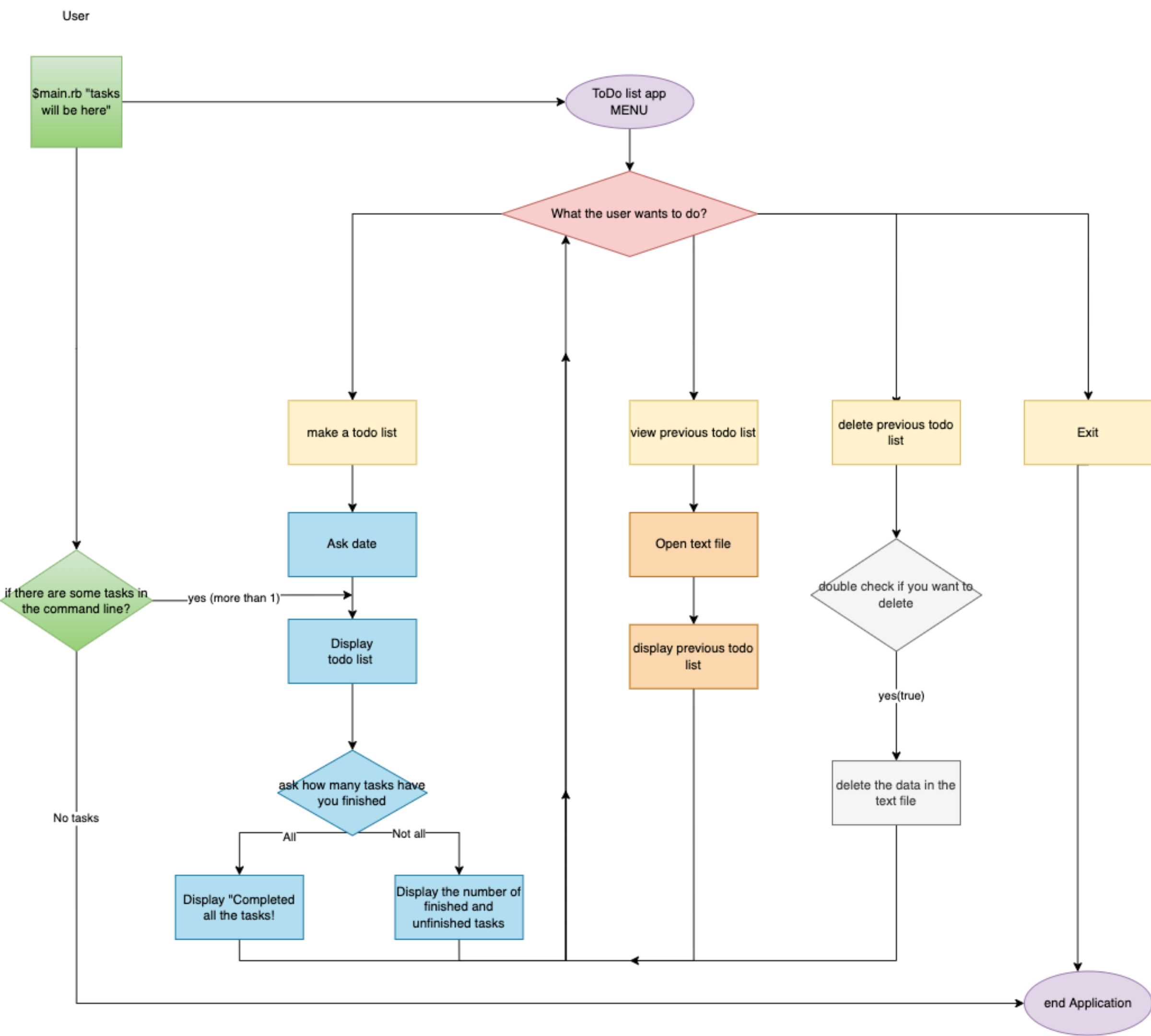


logic walkthrough



This is the entire application

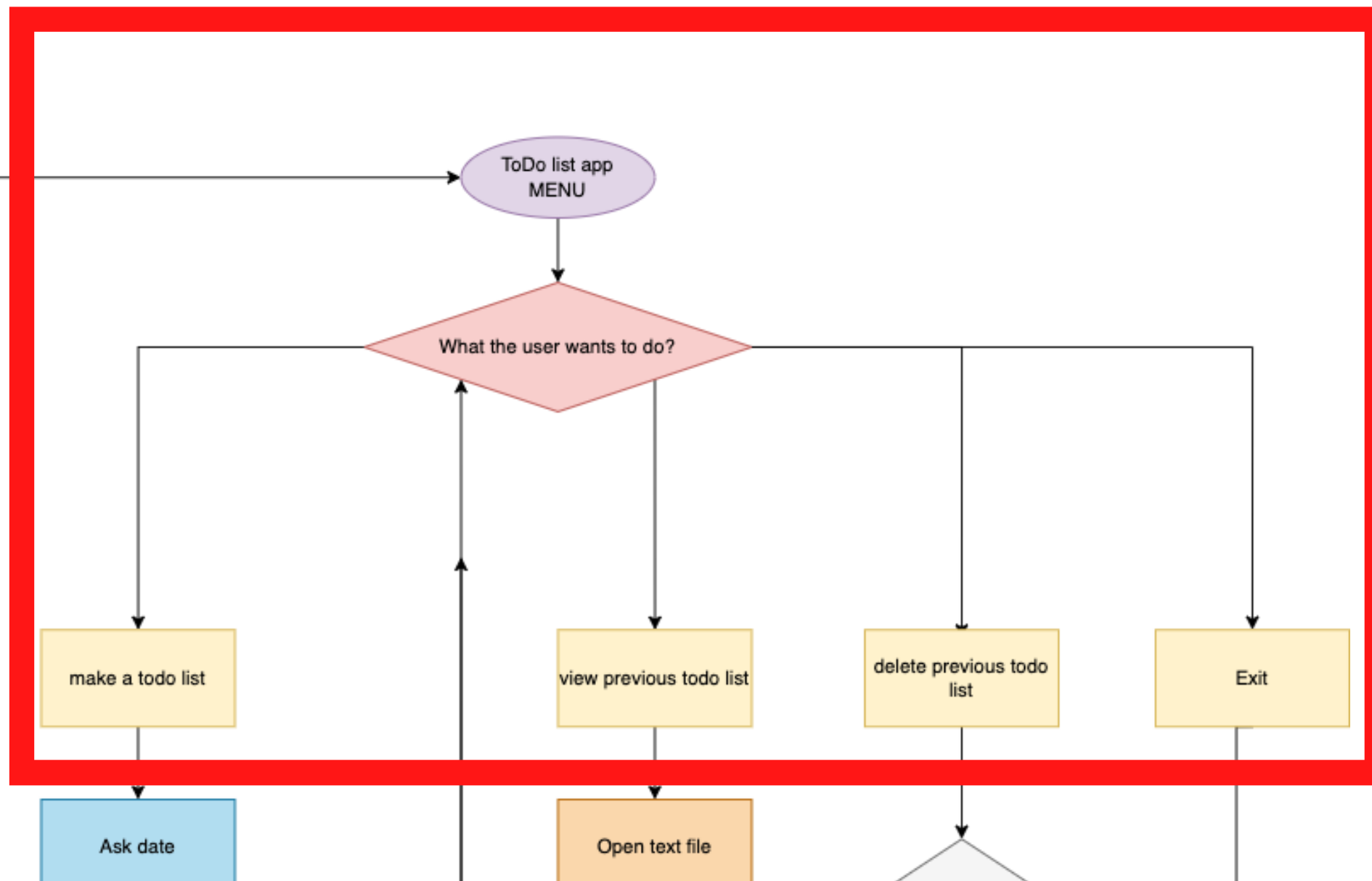
Main page

Gem: tty-prompt

MENU

What would you like to do? (Press ↑/↓ arrow to move and Enter to select)

- Make a To-Do List
- View previous Lists
- Delete previous Lists
- Exit



I used the loops and conditional control structures (when/case statement)

code (main page)

```
prompt = TTY::Prompt.new
loop do
  option = prompt.select('What would you like to do?') do |menu|
    menu.choice 'Make a To-Do List'
    menu.choice 'View previous Lists'
    menu.choice 'Delete previous Lists'
    menu.choice 'Exit'
  end
  ### option ###
  case option
  when 'Make a To-Do List'
    #code here
  when 'View previous Lists'
    #code here
  when 'Delete previous Lists'
    #code here
  when 'Exit'
    #code here
  end
end
```

To use the loop, the user still can select the menu.

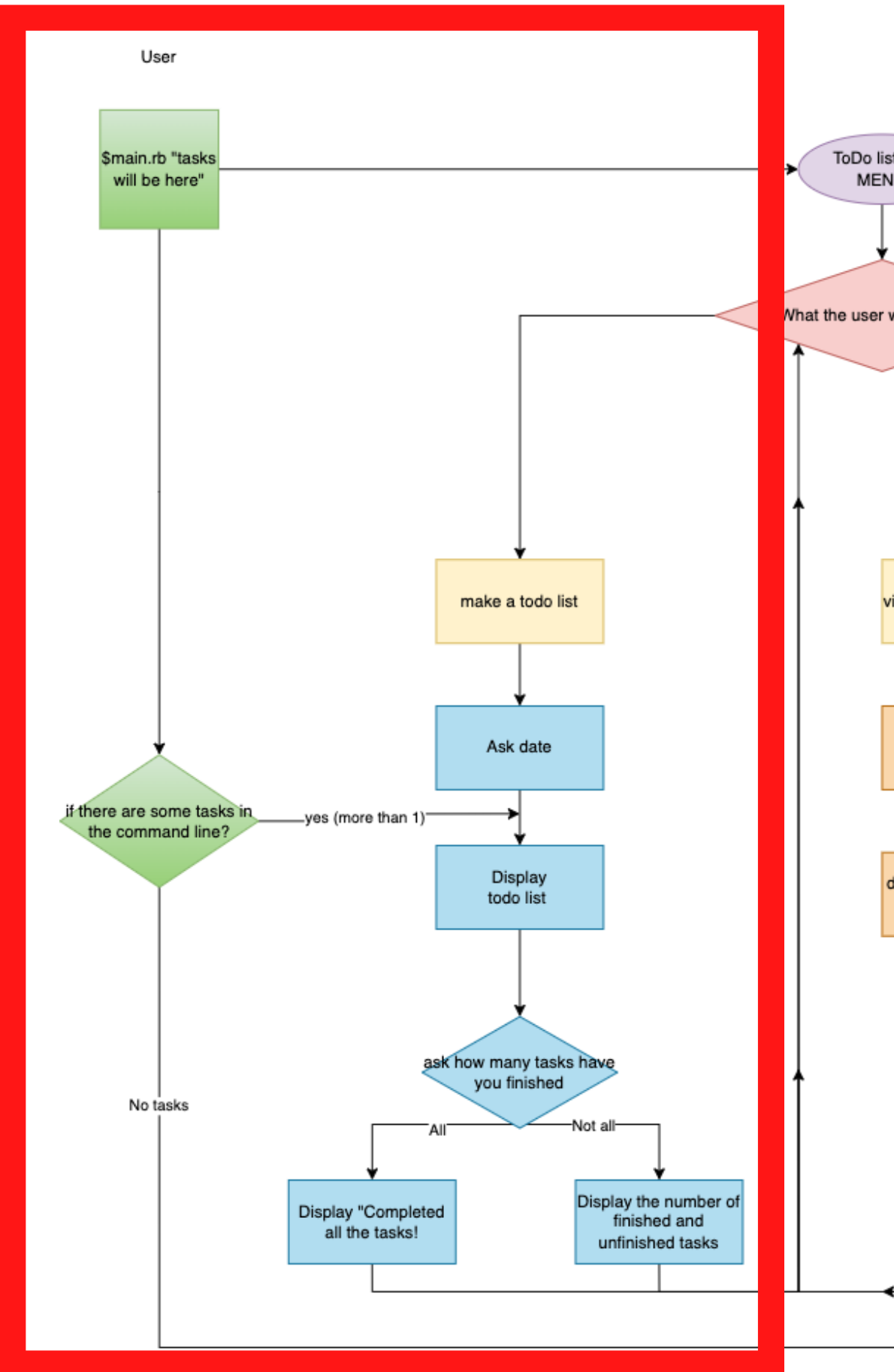
For example, after making a todo list, they still can view the previous todo list or delete the previous list without executing the program again.

Make a ToDo List part

Gem :

- colorize
- tty-box
- date

1. ask the date of todo list
2. check if the date format is correct
3. if not correct, then display 'enter correct format' (error handling)
4. if the format is correct, then display the todo list (date with tasks)
5. tasks are from the terminal command line
6. (if no tasks, then the application will exit)
7. ask the number of tasks the user finished
8. display the feedback



Get tasks data from the terminal command line

```
ruby main.rb "buy a milk" "clean my room" "go to gym"
```

```
What would you like to do? Make a To-Do List
```

```
Please enter a date for your todo list (4/23 etc)
```

```
4/24
```

```
-----  
TODO DATE: 4/24  
-----
```

```
1: buy a milk
```

```
2: clean my room
```

```
3: go to gym
```

```
How many tasks have you completed? Answer as a number. e.g: 2
```

```
3
```

```
Feedback: Completed all the tasks!
```

>>> If no tasks

```
Please enter a date for your todo list (4/23 etc)
```

```
4/24
```

```
-----  
TODO DATE: 4/24  
-----
```

```
No tasks!! Add tasks in the command line!
```

>>> if there are unfinished tasks

```
How many tasks have you completed? Answer as a number. e.g: 2
```

```
1
```

```
Feedback: You completed 1 tasks, and have 2 more tasks!
```

Preview previous List part

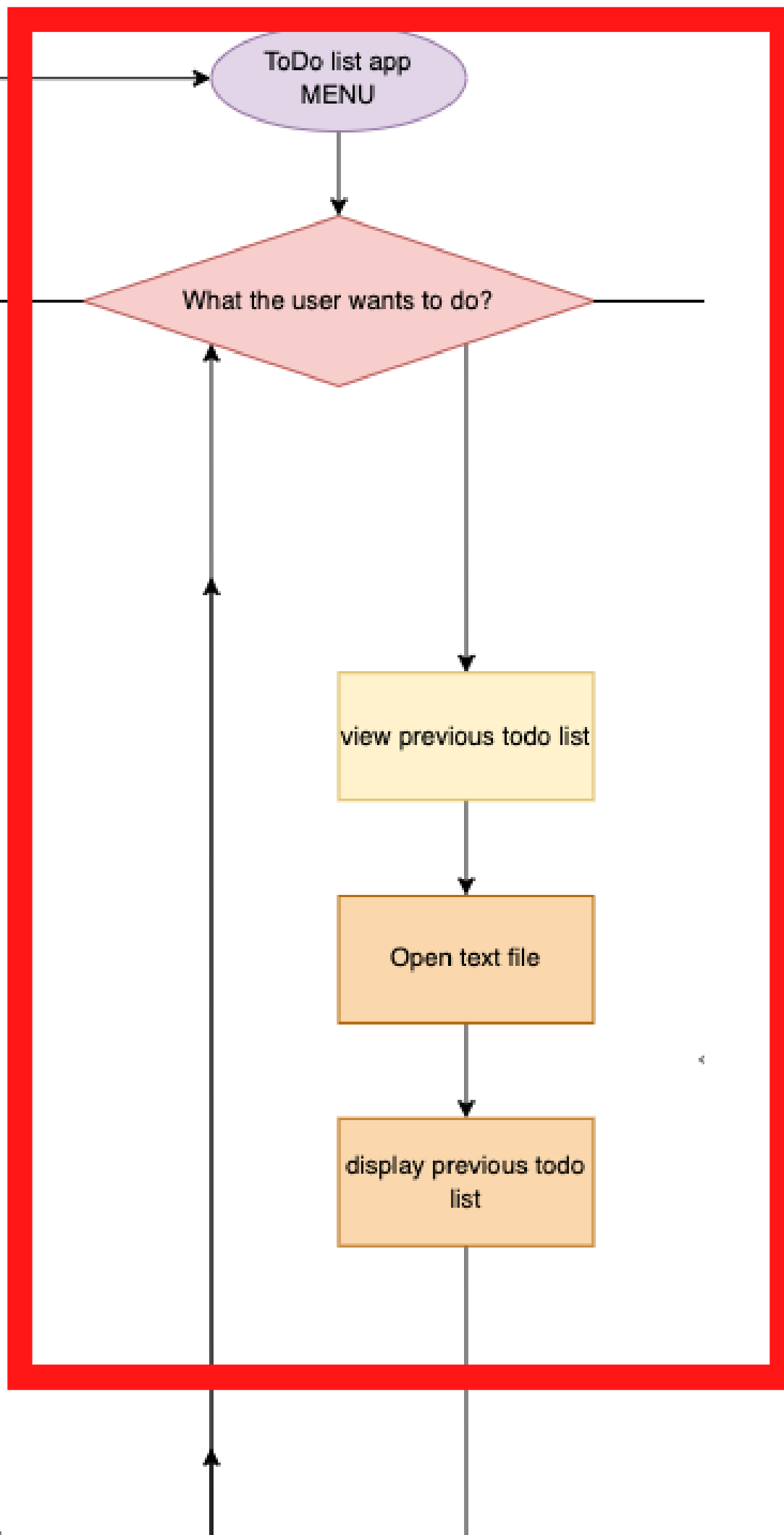
save the data

1. open text file
2. write the data in the text file

read(load) text file

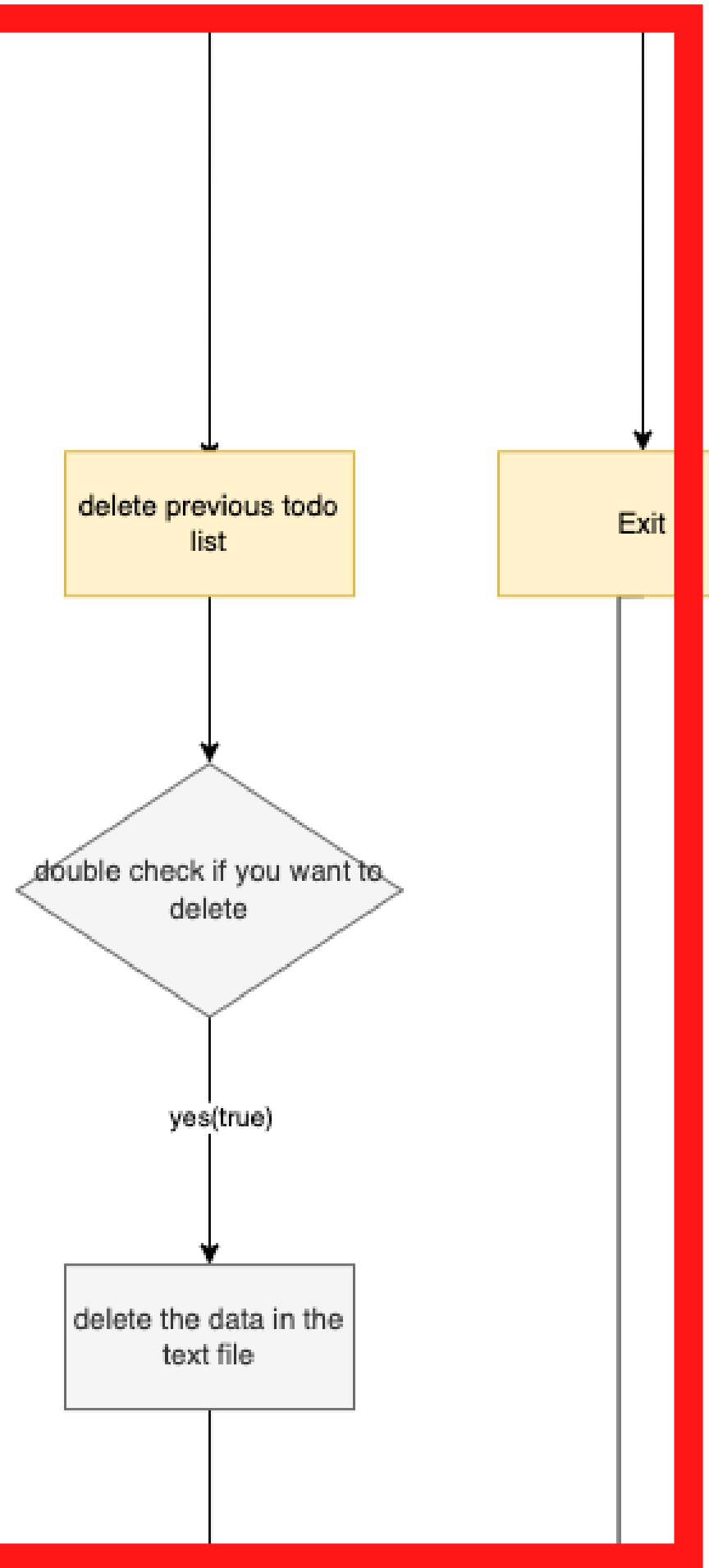
1. open the text file
2. read the data from text file line by line

```
What would you like to do? View previous Lists
-----
TODO DATE: 4/23
-----
1: buy a milk
2: clean my room
3: go to gym
-----
TODO DATE: 4/24
-----
1: buy a milk
2: clean my room
3: go to gym
-----
TODO DATE: 4/25
-----
1: buy a milk
2: clean my room
3: go to gym
```



Delete previous List part

1. make sure if the user executes
2. if the answer is true(yes), execute
3. open the text file
4. Save blanks in the file in overwrite mode.
5. display 'Your previous list has been deleted'



```
What would you like to do? Delete previous Lists
Are you sure to delete previous list? Yes
Your previous list has been deleted
What would you like to do? (Press ↑/↓ arrow to move)
> Make a To-Do List
  View previous Lists
  Delete previous Lists
  Exit
```