



Terminal Runner

A Terminal Running Schedule Application

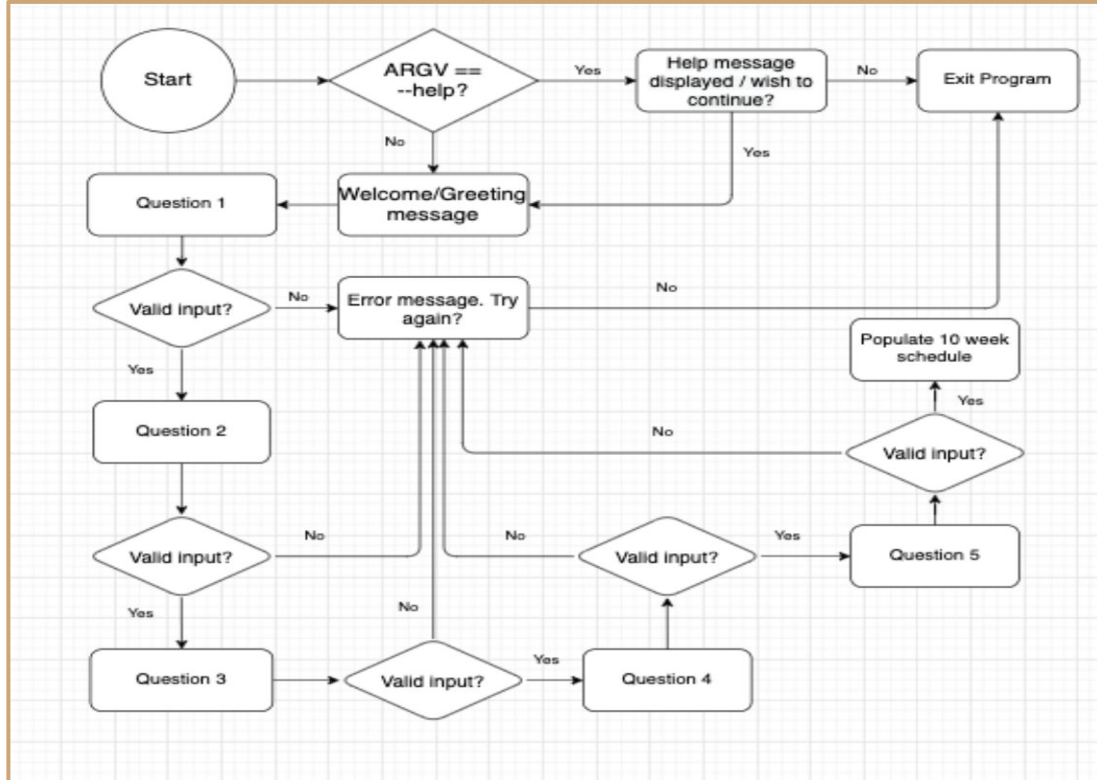


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Control Flow



Features:

- Personalised greeting once the users details are entered
- Three difficulty level settings (beginner, intermediate, advance)
- Weekly populated schedule based on the users availability and ability
- Ability to update schedule based on availability and time preference

Process

The image displays a Trello board titled "Process" with a workflow organized into seven columns: Backlog, Design, To Do, Doing, Code Review, Testing, and Done. Each column contains task cards representing different stages of a project.

- Backlog:** Contains cards for "Tweak README.md" and "Fix display issues for 'What is your goal input question?'".
- Design:** Contains a card for "Create instructions on how to use and install applications".
- To Do:** Contains cards for "Go through Ruby Rspec course on udemy" and "Work on sprinkles and additional features".
- Doing:** Contains a card for "Code MVP".
- Code Review:** Contains a card for "Code Review" with a note: "This list has the List Limits Power-up enabled, to help the team prioritize and remove bottlenecks before picking up new work. The list will be highlighted if the number of cards in it passes the limit that the team determines based on team size." It also includes two "Example task" cards.
- Testing:** Contains a card for "Testing".
- Done:** Contains a card for "Done" with a completion date of "Jan 24, 2020". Below it are several task cards: "Develop a statement of purpose and scope for your application.", "Create README.md", "Create an Outline for the MVP", "Develop an outline of the user interaction and experience for the application", "Control Flow Diagram", and "Research Gems for project".

The right-hand sidebar provides additional functionality:

- About This Board:** Includes options for "Change Background", "Search Cards", "Stickers", and "More".
- Butler:** A section for automating tasks.
- Power-Ups:** Includes "Calendar, Google Drive and more..." and "List Limits".
- Get Unlimited Power-Ups:** A promotional message for the Business Class.
- Activity:** A log of recent actions, such as "John Nkp added Fix display issues for 'What is your goal input question?' to Backlog" and "John Nkp moved Code MVP from To Do to Doing".

The Process

Planning

- General guidance on app idea
- README file(MVP)
- Flow chart
- Trello Board

Implementation

- Coded the MVP of the app
- Switched to tty-prompts from general input questions
- Implemented the terminal table gem

Blockers

- Implemented tty-prompts and terminal table very late in the development of the app.. A lot of tinkering needed to implement
- Ideas were not properly planned hence a lot of time wasted on guess work
- A lot of the planned features were taken out due to time constraints

Index.rb

```
1 require_relative "methods"
2 require_relative "user"
3 require 'terminal-table'
4 require 'colorize'
5 require 'tty-prompt'
6 require 'tty-table'
7 # require_relative 'schedule'
8
9 prompt = TTY::Prompt.new
10
11
12 #Handle command line arguments
13
14 #Assigning the user
15 user = User.new("test","test", "test", "test", "test", "test", "test", "test")
16 user_hash = user.display_user_info
17
18
19
20
21 begin
22
23 while true
24   welcome_greeting
25   # case menu_input_select
26   case menu_input_select
27   when 1 # To create a new user
28     adding = true
29     while adding
30       system "clear"
31       puts "What is your name?"
32       white_space
33       name = gets.chomp
34       # user_hash[:name] = name
35       if(name.length > 0)
36         system "clear"
37         puts "#####"
38         puts "Welcome #{user.user_name(name)}"
39         puts "#####"
40         white_space
41         adding = false
42       else
43         puts "invalid name, try again"
44       end
45     end
46
47     while adding == false
48       white_space
49       case goal_question
50       when 1
51         puts "#{user.goal_input(1)}"
52       when 2
53         puts "#{user.goal_input(2)}"
54       when 3
55         puts "#{user.goal_input(3)}"
56       end
57       adding = true
```

Methods.rb

```

1  # require_relative "user"
2  require 'day_planner'
3  require 'weekly_planner'
4  require 'terminal-table'
5  require "tty-prompt"
6  require_relative "user"
7
8
9  user = User.new("test", "test", "test", "test", "test", "test", "test", "test")
10 user_hash = user.display_user_info
11 prompt = TTY::Prompt.new
12
13 def white_space
14   puts " "
15 end
16
17 def welcome_greeting
18   system "clear"
19   puts " "
20   puts "#####"
21   puts "Welcome to terminal runner"
22   puts "#####"
23 end
24
25
26 def menu_input_select
27   puts " "
28   prompt = TTY::Prompt.new
29   choices = [
30     {name: 'Create a new account', value: 1},
31     {name: 'Display user account details', value: 2},
32     {name: 'Display running schedule', value: 3},
33     {name: 'Update schedule', value: 4},
34     {name: 'Quit', value: 5}
35   ]
36
37   user_input = prompt.select("What would you like to do?", choices)
38 end
39
40
41 def goal_question
42   puts " "
43   prompt = TTY::Prompt.new
44
45   goal_hash = [
46     {name: 'Weight loss ', value: 1},
47     {name: 'Getting toned', value: 2},
48     {name: 'Performance gains', value: 3}
49   ]
50
51   user_input = prompt.select("What is your goal?", goal_hash)
52   # input = gets.chomp.to_i
53 end
54
```

user.rb

```
1 class User
2   require 'terminal-table'
3
4   attr_reader :name, :goal, :experience, :days_off, :time_pref, :display_user_info, :print_pref_time, :weight_loss_beginner
5
6   def initialize(name, goal, experience, days_off, time_pref, display_user_info, print_pref_time, weight_loss_beginner)
7     @name = name
8     @user_info = Hash.new
9     @goal = goal
10    @experience = experience
11    @days_off = days_off
12    @time_pref = time_pref
13    @weight_loss_beginner = weight_loss_beginner
14  end
15
16
17  def user_name(name_str)
18    @name = name_str.to_s
19    @user_info[:name] = @name
20
21    @user_info.each do |key, value|
22      return "#{value}"
23    end
24  end
25
26  def goal_input(input)
27    # input = input.chomp.to_i
28    if(input == 1)
29      goal = "Weight loss"
30    elsif(input == 2)
31      goal = "Getting toned"
32    elsif(input == 3)
33      goal = "Performance gains"
34    else
35      puts "invalid input"
36    end
37
38    @goal = goal.to_s
39    @user_info[:goal] = @goal
40
41    value = "goal"
42    system "clear"
43    puts "#####"
44    puts "Your goal is #{@user_info[value.to_sym]}"
45    puts "#####"
46  end
47
48
49  def experience(input)
50    # input = input.chomp.to_i
51    if(input == 1)
52      exp = "Beginner"
53    elsif(input == 2)
54      exp = "Intermediate"
55    elsif(input == 3)
56      exp = "Advance"
```

Start up screen

```
#####  
Welcome to terminal runner  
#####
```

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

- Create a new account
- Display user account details
- Display running schedule
- Update schedule
- Quit

Personalised greeting/ goal input

```
#####  
Welcome John  
#####
```

```
What is your goal? (Press ↑/↓ arrow to move and Enter to select)  
▸ Weight loss  
  Getting toned  
  Performance gains
```

Users information

```
#####  
User Information  
#####  
  
X=====X=====X  
|  name          |  John          |  
X=====X=====X  
X=====X=====X  
|  goal          |  Weight loss   |  
X=====X=====X  
X=====X=====X  
|  experience    |  Beginner      |  
X=====X=====X  
X=====X=====X  
|  days_off      |  Monday        |  
X=====X=====X  
X=====X=====X  
|  time_pref     |  Mornings      |  
X=====X=====X  
Press any key to continue
```

Daily running schedule

```
#####  
Running Schedule  
#####
```

What does your daily schedule look like **Monday**

```
X=====X=====X  
| Monday                                     | Mornings |  
X=====X=====X  
| // Walk for 10 minutes (warm-up) // // Run for 1 minute, walk for 2 minutes (30 minutes) // // Cool down walk // |  
X=====X=====X
```

What does your daily schedule look like (Press ↑/↓/→ arrow to move and Enter to select)

```
► Monday  
Tuesday  
Wednesday  
Thursday  
Friday  
Saturday
```

What does your daily schedule look like **Tuesday**

```
X=====X=====X  
| Tuesday                                     | Mornings |  
X=====X=====X  
| Rest                                       |          |  
X=====X=====X
```

What does your daily schedule look like (Press ↑/↓/→ arrow to move and Enter to select)

```
► Monday  
Tuesday  
Wednesday  
Thursday  
Friday  
Saturday
```



Terminal Runner

Live demo



Challenges

- Time constraints - Busy time of the year
- Understanding of ruby
- Bugs
- Lack of attention to detail
- A lot more time and effort should have been spent in the planning phase
- Unable to finish app - unable to incorporate all the planned features
- Didn't incorporate any of the planned sprinkles