Hi, everyone.

Presentation by winny

Outline

- Basic introduction of the terminal app
- Flowchart
- Overview of terminal application
- Overview of code(some important part)
- Build process
- Challenges & favourite part

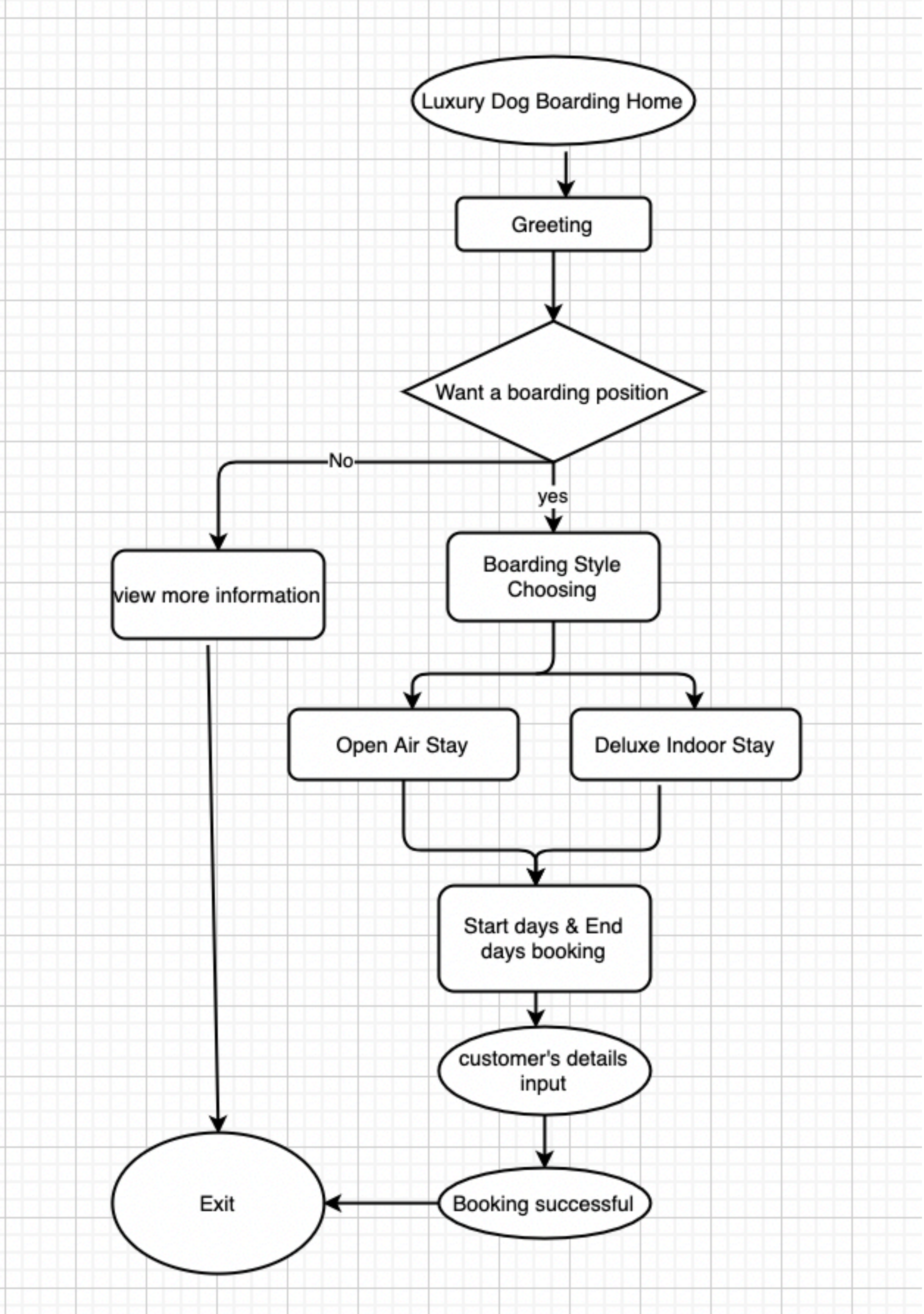
Introduction of the terminal application:

- This app is a simple MVP of a dog boarding business. The booking system is used to finish the whole process of dog boarding.

  —Ask the customer to choose boarding method, outdoor or indoor???
  Then we will show a bunch of features about this method
  —Ask customer to leave the boarding time(start and end), personal
details(email and phone) after board method choosing.

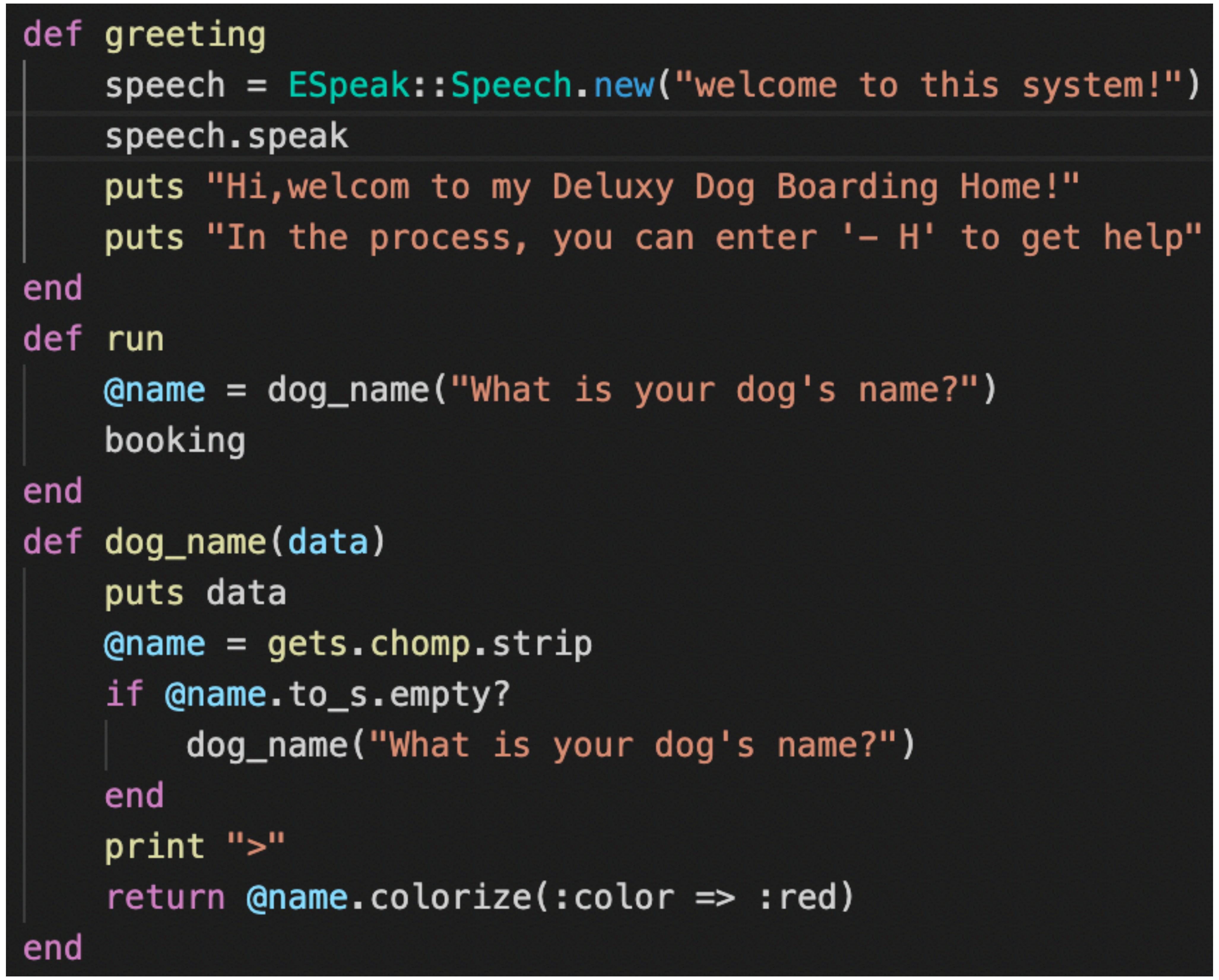
- Target users: for those people who need to leave their dogs for a period because of traveling , sick or business trip etc.

Flowchart

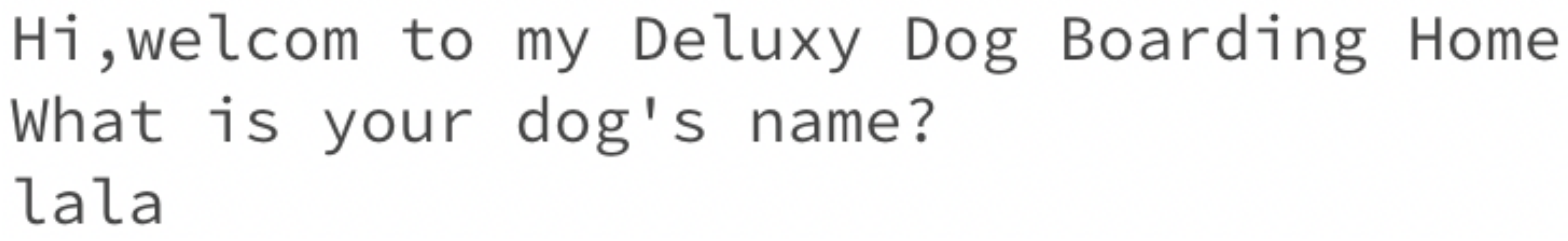

Luxury Dog Boarding Home
Greeting
Want a boarding position
No
yes
view more information
Boarding Style Choosing
Open Air Stay
Deluxe Indoor Stay
Start days & End days booking
customer's details input
Booking successful
Exit

step 1 :greeting users & get dog's name

- Gems: Espeak & colorize
- Get customers name:
  If (used for testing)



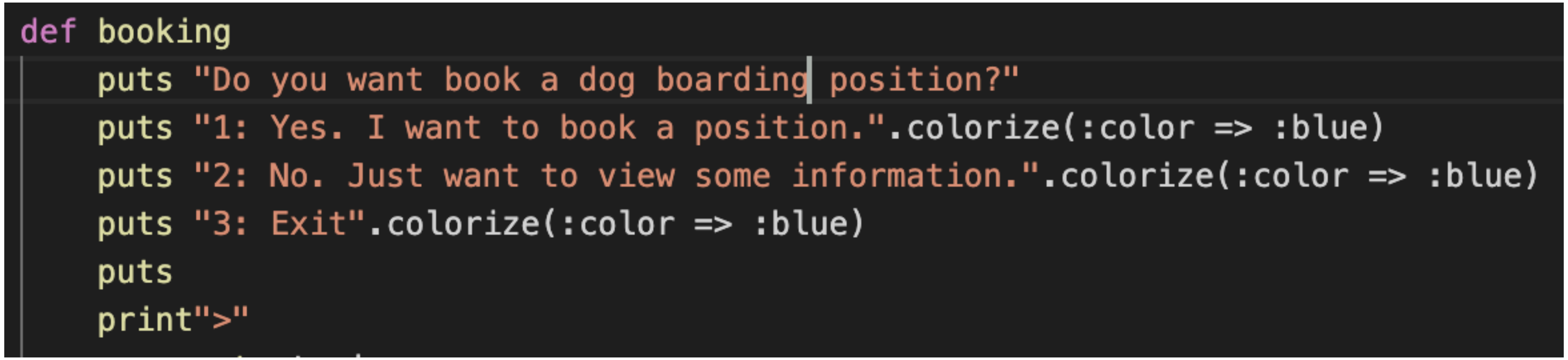
```ruby
def greeting
    speech = ESpeak::Speech.new("welcome to this system!")
    speech.speak
    puts "Hi,welcom to my Deluxy Dog Boarding Home!"
    puts "In the process, you can enter '- H' to get help"
end
def run
    @name = dog_name("What is your dog's name?")
    booking
end
def dog_name(data)
    puts data
    @name = gets.chomp.strip
    if @name.to_s.empty?
        dog_name("What is your dog's name?")
    end
    print ">"
    return @name.colorize(:color => :red)
end
```



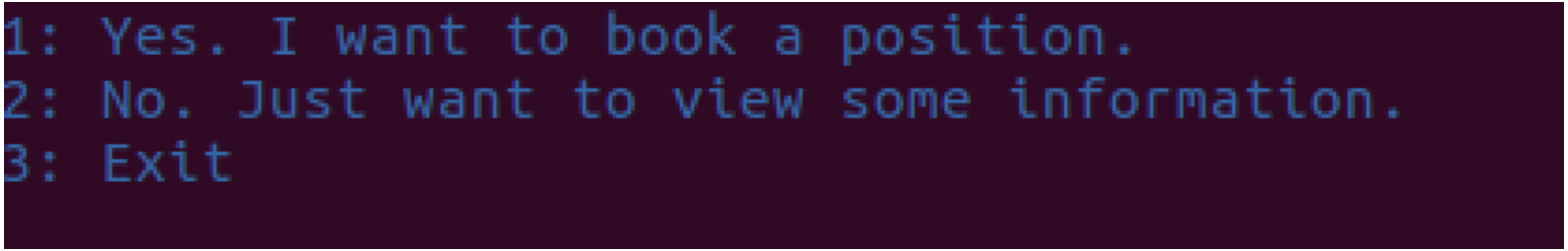
```
Hi,welcom to my Deluxy Dog Boarding Home
What is your dog's name?
lala
```

Step 2: want a boarding position

Case statement for choosing(whether booking or not)

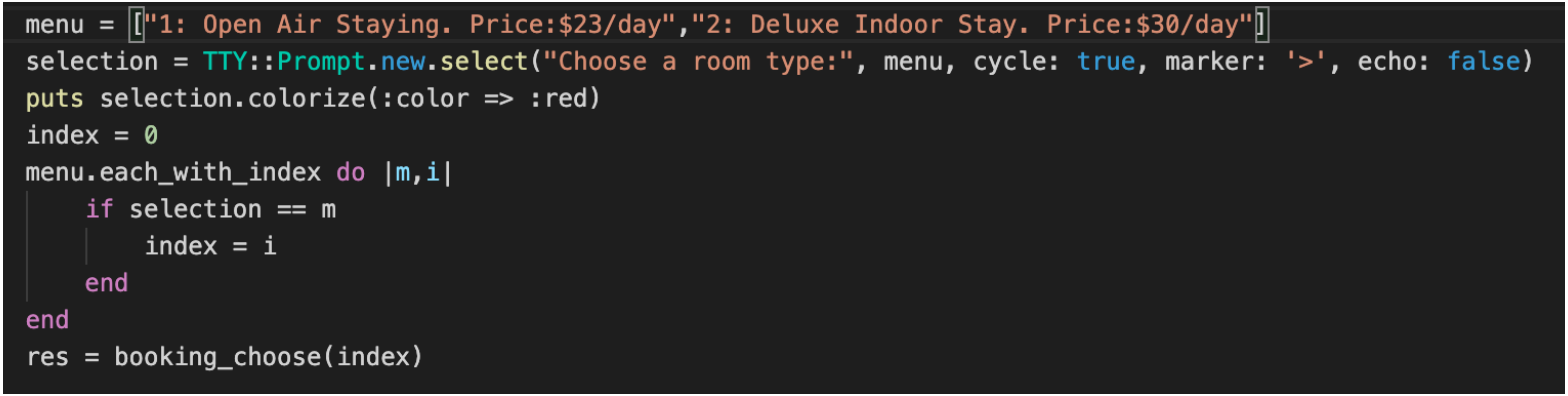


```
def booking
    puts "Do you want book a dog boarding position?"
    puts "1: Yes. I want to book a position.".colorize(:color => :blue)
    puts "2: No. Just want to view some information.".colorize(:color => :blue)
    puts "3: Exit".colorize(:color => :blue)
    puts
    print">"
```

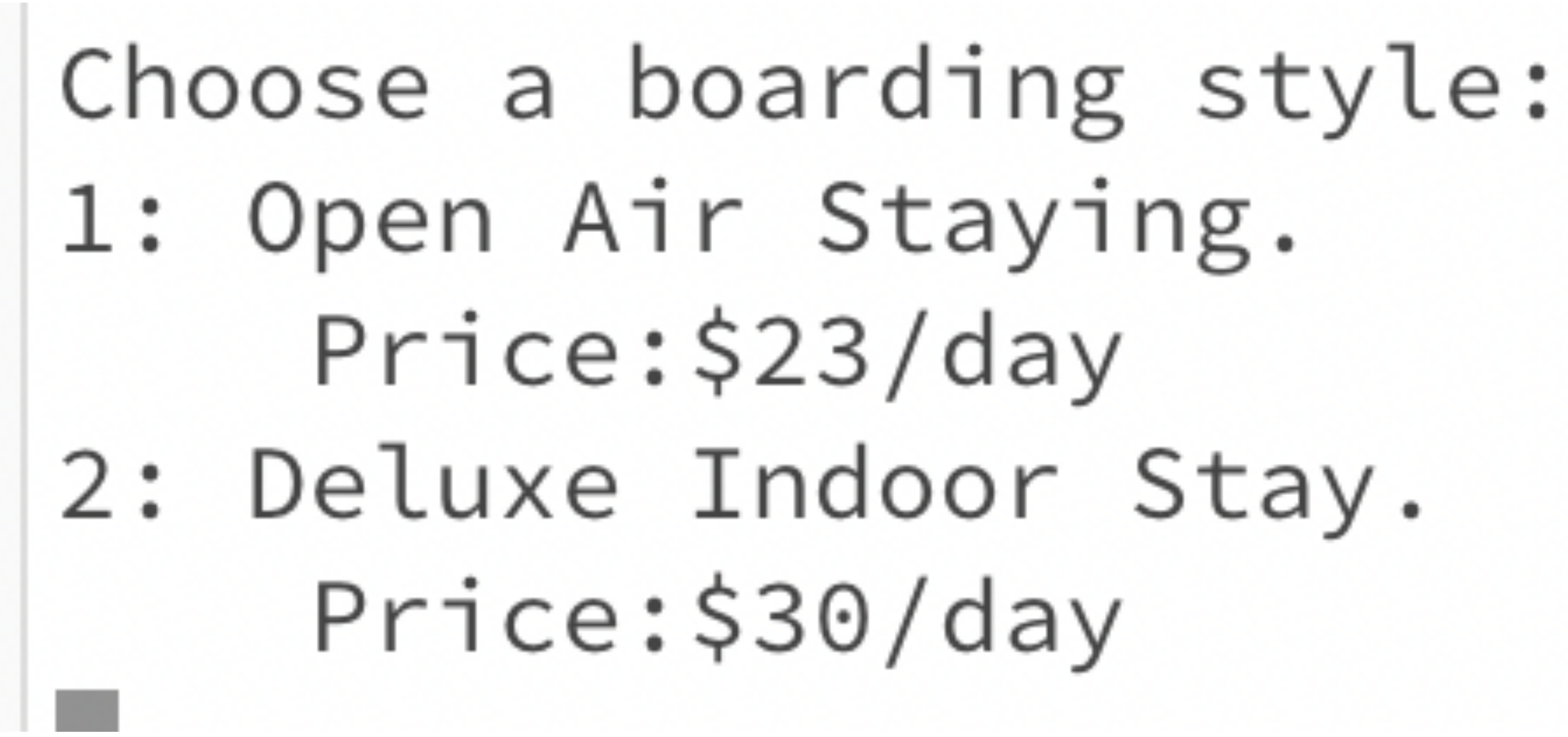


```
1: Yes. I want to book a position.
2: No. Just want to view some information.
3: Exit
```

Step 3: if want boarding, method choose

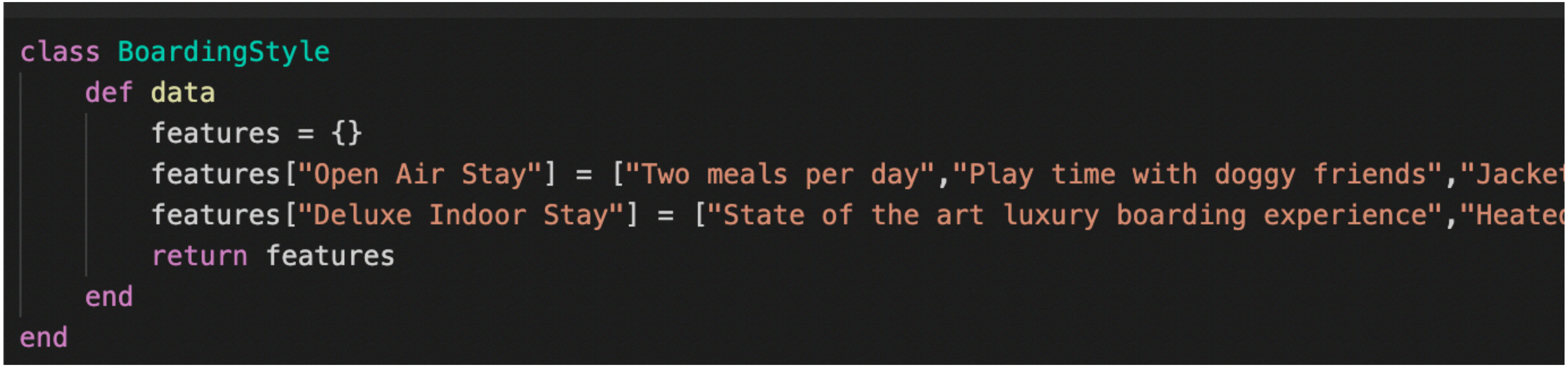


```ruby
menu = ["1: Open Air Staying. Price:$23/day","2: Deluxe Indoor Stay. Price:$30/day"]
selection = TTY::Prompt.new.select("Choose a room type:", menu, cycle: true, marker: '>', echo: false)
puts selection.colorize(:color => :red)
index = 0
menu.each_with_index do |m,i|
    if selection == m
        index = i
    end
end
res = booking_choose(index)
```

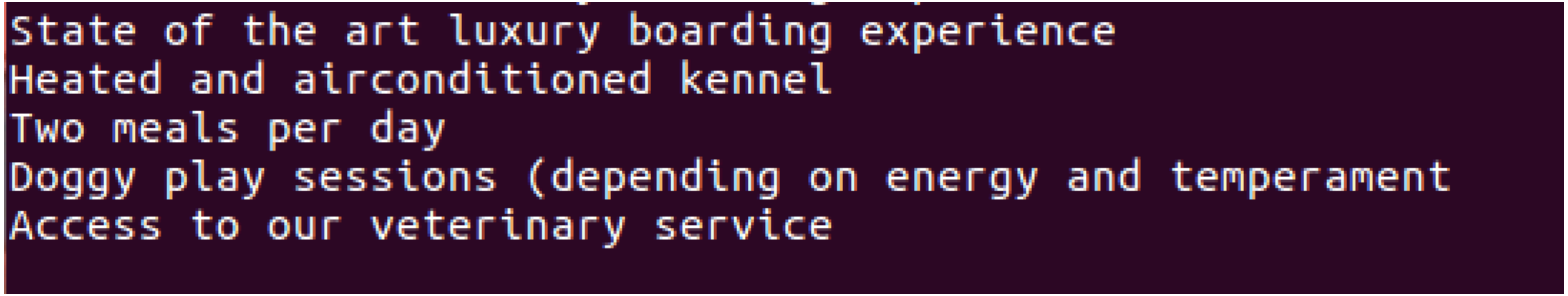


```
Choose a boarding style:
1: Open Air Staying.
     Price:$23/day
2: Deluxe Indoor Stay.
     Price:$30/day
```

- Gems: TTY:Prompt
- function:each_with_index



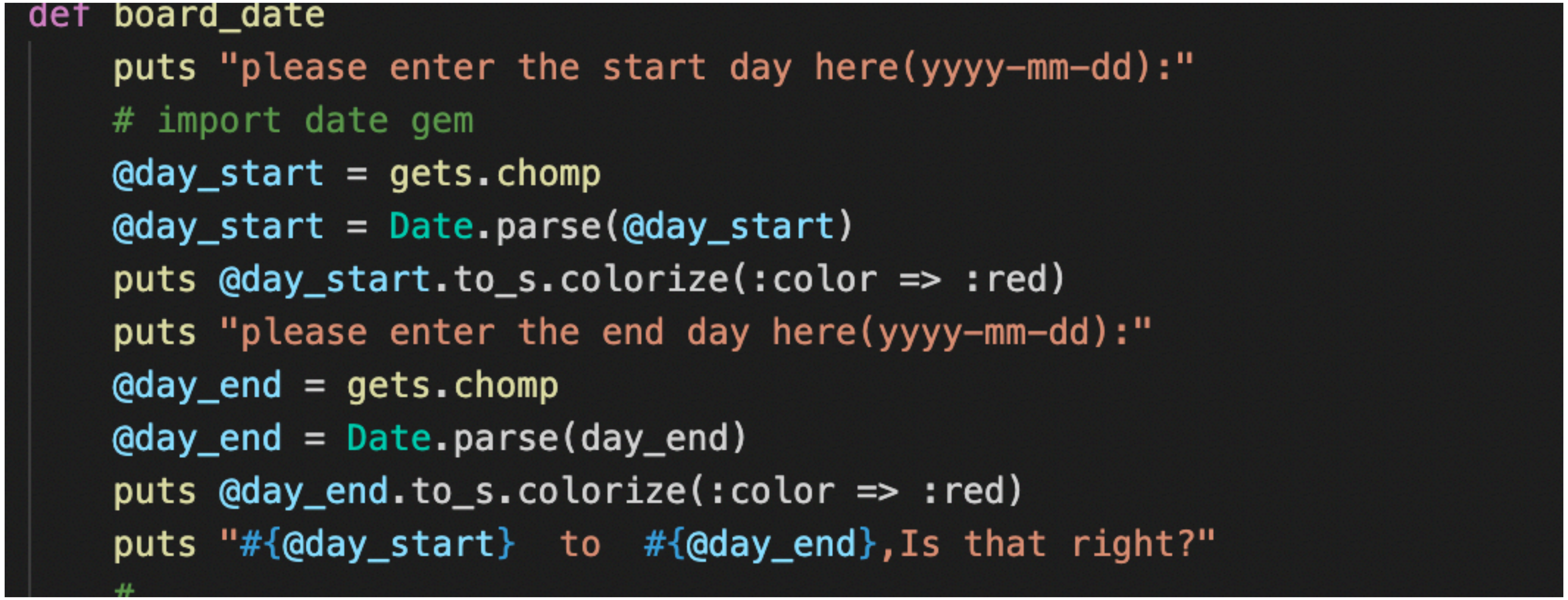
```ruby
class BoardingStyle
    def data
        features = {}
        features["Open Air Stay"] = ["Two meals per day","Play time with doggy friends","Jacket
        features["Deluxe Indoor Stay"] = ["State of the art luxury boarding experience","Heated
        return features
    end
end
```



```
State of the art luxury boarding experience
Heated and airconditioned kennel
Two meals per day
Doggy play sessions (depending on energy and temperament
Access to our veterinary service
```

Step4: boarding time

- Gems: date,colorize,date
- Control structure: if



```
def board_date
    puts "please enter the start day here(yyyy-mm-dd):"
    # import date gem
    @day_start = gets.chomp
    @day_start = Date.parse(@day_start)
    puts @day_start.to_s.colorize(:color => :red)
    puts "please enter the end day here(yyyy-mm-dd):"
    @day_end = gets.chomp
    @day_end = Date.parse(day_end)
    puts @day_end.to_s.colorize(:color => :red)
    puts "#{@day_start}  to  #{@day_end},Is that right?"
    #
```

Challenges & favourites

Challenges:

—A shaky basic knowledge
— Gems installing
—Testing
—Class definition: still a bit confused

Favourite:

—gems: it is cool. Making interface interactive and save time for you(colorise, ascii art)
—creating the functions like iterator, control flow structure

Building process

- Trello board
- GitHub
- Gems

Thank you !