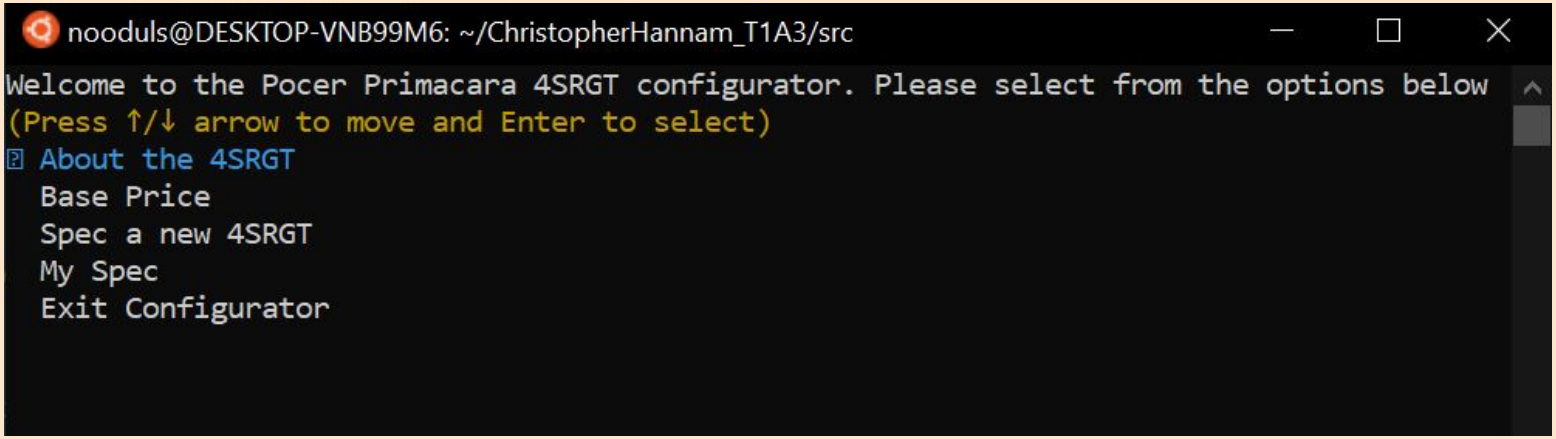
Pocer Primacara 4SRGT

Car configurator

A terminal app by Chris Hannam

Welcome to the Pocer buying experience



A new way to buy your dream car online, if this was the year 1997..

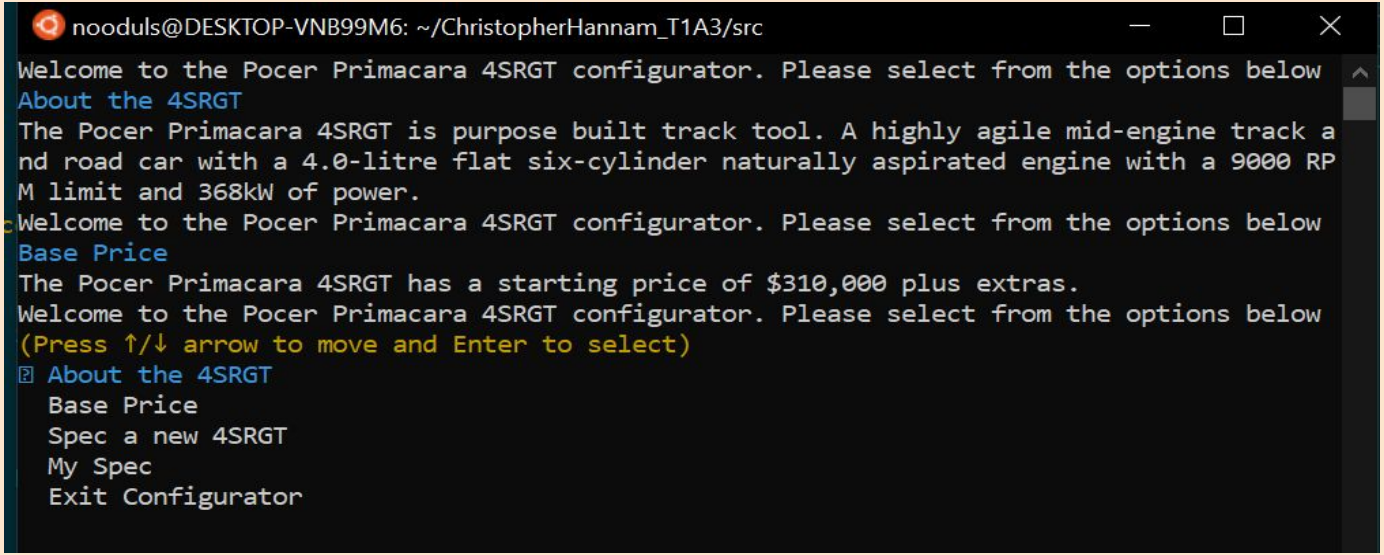
Under the hood: index page is uncluttered and simple

src > index.rb

```ruby
#Prompt script
$prompt = TTY::Prompt.new(active_color: :cyan, help_color: :yellow)

def about
  puts "The Pocer Primacara 4SRGT is purpose built track tool. A highly agile mid-engine track and road car wi
end
#Show Price
def show_price
  puts "The Pocer Primacara 4SRGT has a starting price of $310,000 plus extras."
end
#require_relative("./spec.rb")
def select_option
  start = $prompt.select("Welcome to the Pocer Primacara 4SRGT configurator. Please select from the options be
  start
end

option = ""
while option != "Exit"
  option = select_option
  case option
  when "About the 4SRGT"
    about
  when "Base Price"
    show_price
  when "Spec a new 4SRGT"
    require_relative("./spec.rb")
  when "My Spec"
    require_relative("./my_spec.rb")
  when "Exit Configurator"
    exit
  end
end
```

- Introduction
- TTY Prompt Menu
- Menu Case Statement

About the 4SRGT:



I don’t know why there is a green line down there..

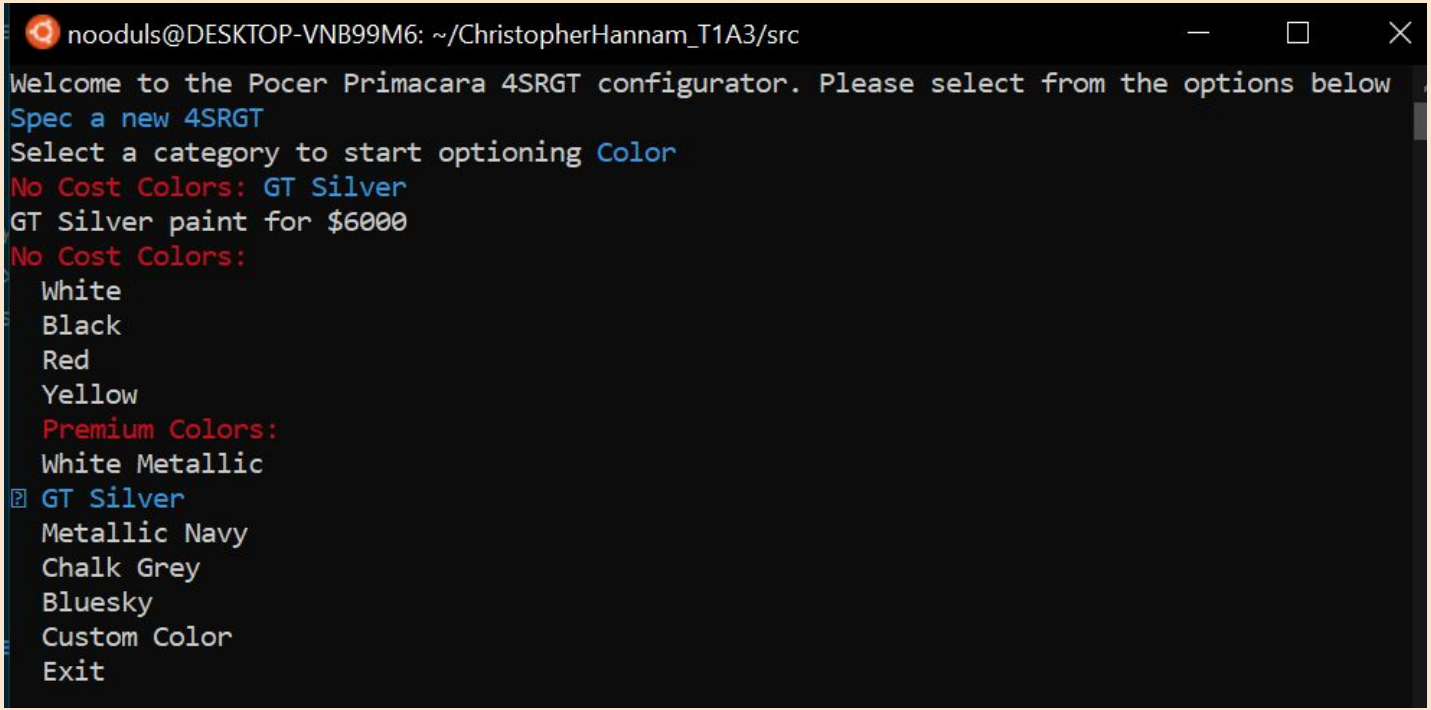
Speccing a new car class and method

src > spec.rb

```ruby
# Spec is the Superclass of all options and subclass of Car
require "tty-prompt"

class Spec# < Car
    @@full_spec = []
    def initialize(color, wheels, wheel_color, interior, audio)
        @color = color
        @wheels = wheels
        @wheel_color = wheel_color
        @interior = interior
        #@exterior =
        #@mechanical = []
        @audio = audio
        @@full_spec = []
    end
end

    def self.full_spec
        @@full_spec
    end

# Methods to write:
# start a new spec, delete option method, reset all options method - inl
$prompt = TTY::Prompt.new(active_color: :cyan, help_color: :yellow)
```

```ruby
def new_spec
  spec = $prompt.select("Select a category to start optioning", [
  spec
end
option = ""
while option != "Exit"
 option = new_spec
 case option
 when "Color"
   require_relative("./colors.rb")
 when "Wheels"
   require_relative("./wheels.rb")
 when "Wheel Color"
   require_relative("./wheelcolors.rb")
 when "Interior"
   require_relative("./interior.rb")
 # when "Exterior"
 #   require_relative("./exterior.rb")
 # when "Mechanical"
 #   require_relative("./mechanical.rb")
 when "Audio"
   require_relative("./audio.rb")
 when "Exit"
   next
 end
end
```

No cost color options, Premium cost and Exclusive custom choice



Option and pricing displayed in app

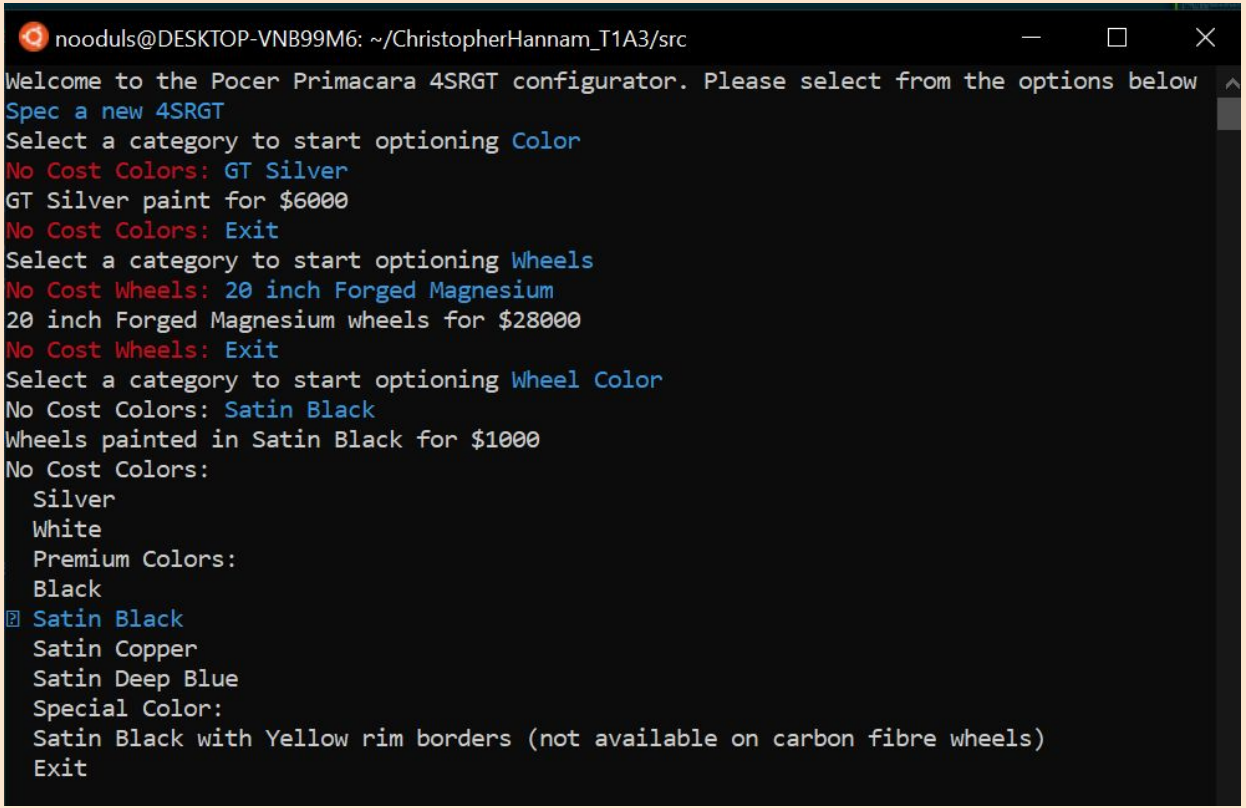
```
nooduls@DESKTOP-VNB99M6: ~/ChristopherHannam_T1A3/src
Welcome to the Pocer Primacara 4SRGT configurator. Please select from the options below
Spec a new 4SRGT
Select a category to start optioning Color
No Cost Colors: GT Silver
GT Silver paint for $6000
No Cost Colors: Exit
Select a category to start optioning Wheels
No Cost Wheels: 20 inch Forged Magnesium
20 inch Forged Magnesium wheels for $28000
No Cost Wheels:
  20 inch Forged Aluminium
  Premium Wheels:
? 20 inch Forged Magnesium
  Special Wheels:
  20 inch Carbon Fibre
  Exit
```

wheels.rb

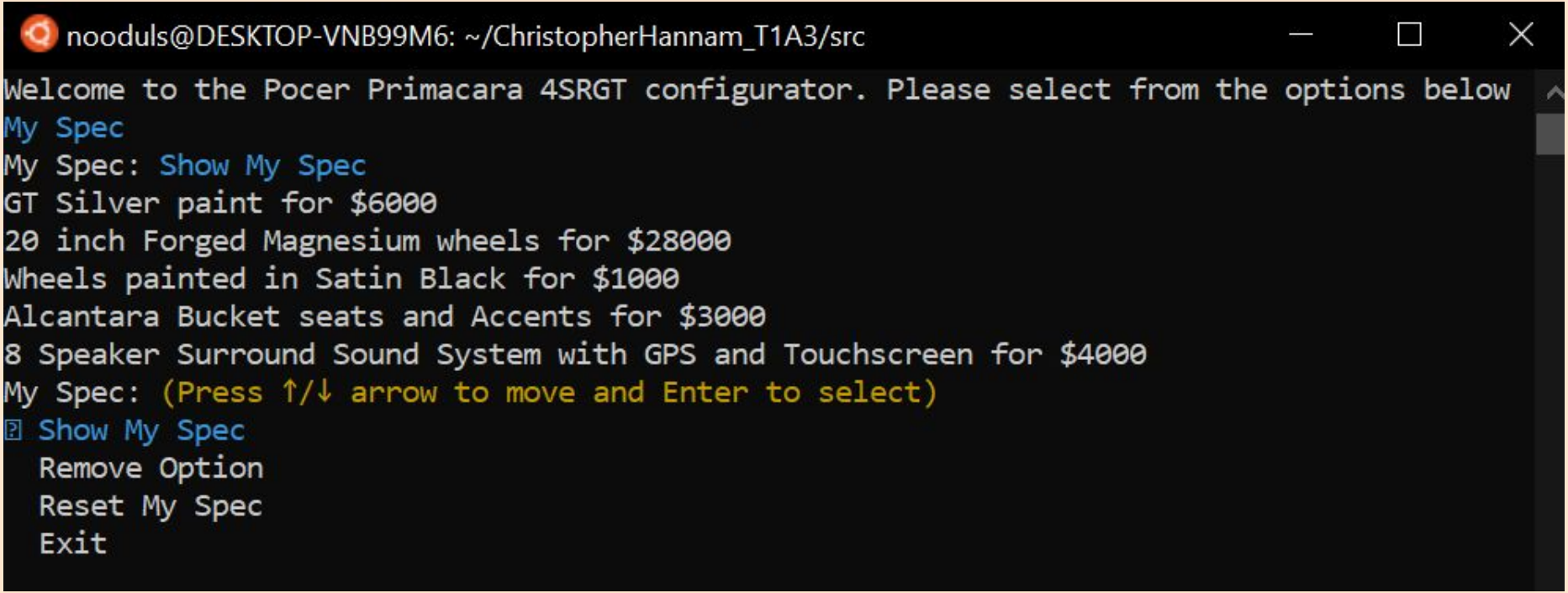
```ruby
require "tty-prompt"
$prompt = TTY::Prompt.new(active_color: :cyan, help_color: :yellow)

class Wheels < Spec
    attr_reader :wheel, :price
    def initialize(wheel, price)
        @wheel = wheel
        @price = price
    end

  def to_s
    return $rim = "#{@wheel} wheels for $#{@price}"
  end
end
def wheels
    start = $prompt.select("No Cost Wheels:".colorize(:red), ["20 inch Forged Aluminium"], "Premium Wheels:"
    start
  end

  option = ""
while option != "Exit"
  option = wheels
  case option
  when "20 inch Forged Aluminium"
    puts rim = Wheels.new("20 inch Forged Aluminium", 0)
  when "Premium Wheels:"
    puts "Not a valid selection"
  when "20 inch Forged Magnesium"
    puts rim =  Wheels.new("20 inch Forged Magnesium", 28000)
  when "Special Wheels:"
    puts "Not a valid selection"
  when "20 inch Forged Aluminium"
    puts rim =  Wheels.new("20 inch Carbon Fibre", 38000)
  when "Exit"
    next
  end
end
```

Wheels Class, Methods and Case Statement

Putting an option on another option



Shows you your full spec, or just what you've specced so far. Save your spec and come back to it later.

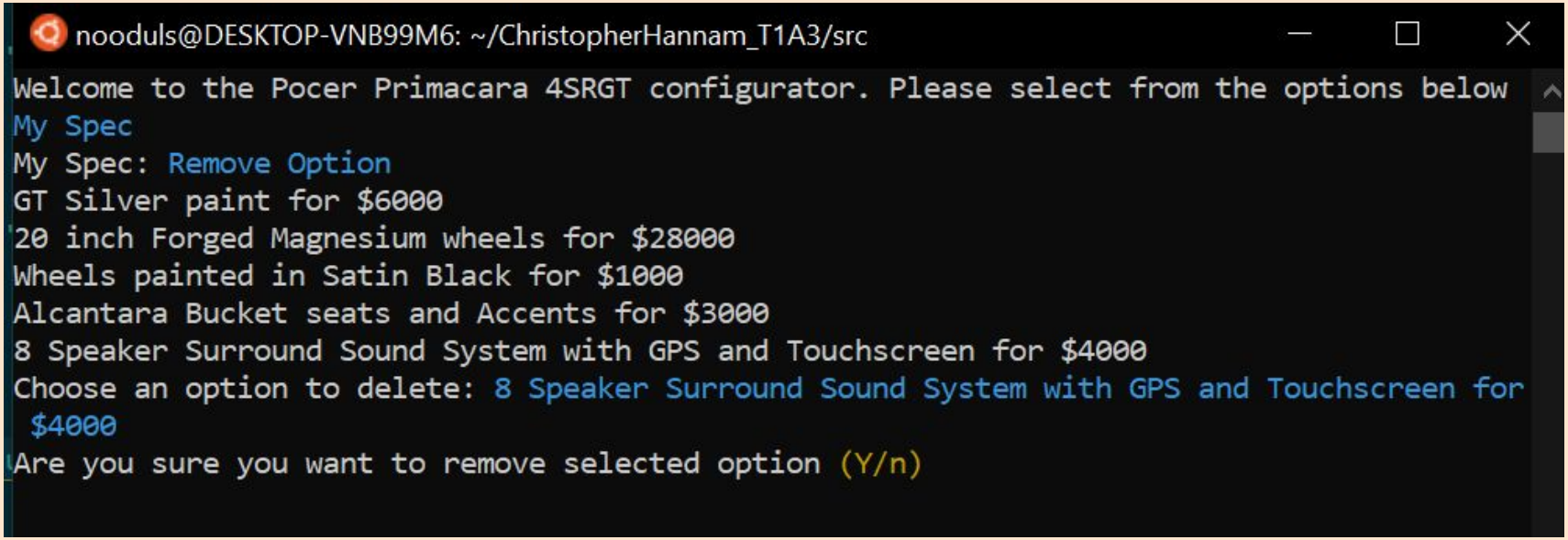


My Spec: using global variables as haven't managed to get class and instance variables to inherit or be readable with getters and setters..

src > my_spec.rb

```ruby
require "tty-prompt"
#Prompt script
$prompt = TTY::Prompt.new(active_color: :cyan, help_color: :yellow)

# Colors -
# No cost - White, Black, Red, Yellow
# Extra cost $6000 - White Metallic, GT Silver, Metallic Navy, Chalk Grey, Miami Blue
# High cost $18000 - Custom Color

class MySpec #< Spec
    attr_reader :color, :price
    def initialize(color, price)
        @color = color
        @price = price
    end
  end
    def to_s
        return user_spec = [$paint, $rim, $rim_col, $seats, $stereo]
    end
```

Changed your mind? Delete an option and add a new one!



Features to add:

- Total Price, base price plus full options list
- Confirm order, download to users PC and send it to dealer
- Database for saving and returning later
- Actually delete the option when you select delete

Bugs:

- App is entirely single serve, no option or menu can be accessed more than once
- Getter and setters and inheritance not working, relying on global variables

Favourite part:

- When things work, understanding why things don't work
- Separating all the parts and keeping it as DRY as possible