

by Emma Bindi

Purpose:

Assist user's with the decision making process of identifying and selecting a bottle of wine to purchase from the list of available options, within their budget and according to their preference.

Designed to increase efficiency in decision making and ensure only users of a legal drinking age can participate.

The target audience for this app is wine lovers who are of a legal drinking age in Australia.

Features:

- 1. Age Filter
- 2. Budget Filter
- 3. Wine Preference
- 4. Wine Suggestion
- 5. Wine Selection
- 6. Wine Sales Log

Gems:

TTY Prompt

Artii

Rubocop

Colorize

Future Releases/Update Ideas:

Colorize gem, conditional display colour coded based on wine selection!

Gem - age calculation based on DOB

Further selection based on taste preference or regions

Use of wine API

Stock level counter in csv file

Allow selection of multiple wines in one purchase

Challenges:

Using Ruby gems for the first time. Observation that documentation and instructions assume you have used before. A fair bit of trial and error eg, artii

Ethical Issues

Ensuring users are of legal drinking age

Obtaining user's age or DOB could cause privacy concerns

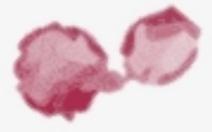
Favourite Parts

Inputting and creating data set of something I am interested in

Feeling of achievement when new functions such as begin/rescue and pushing to CSV file actually worked!

Creating something from scratch and seeing a finished product - an interactive application

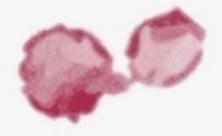
Increasing confidence in using Ruby language



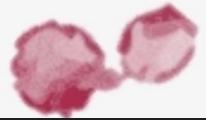
```
wine_classes.rb — Code
wine.rb
                                                                   ■ Wine-Sales.csv
                ■ Wine-List-March2020.csv
                                              wine_classes.rb ×
       class Wine
         attr_accessor :type, :name, :budget, :sale_price, :producer, :country_of_origin, :grape_variety, :region
  2
         def initialize(type, name, budget, sale_price, producer, country_of_origin, grape_variety, region)
           @type = type
  6
           @name = name
           @budget = budget
           @sale_price = sale_price
  8
           @producer = producer
  9
 10
           @country_of_origin = country_of_origin
 11
           @grape_variety = grape_variety
 12
           @region = region
 13
         end
 14
       end
 15
```

```
wine.rb
                ■ Wine-List-March2020.csv
                                              ■ Wine-Sales.csv
       require_relative 'wine_classes'
  1
       require 'tty-prompt'
  2
       require 'csv'
  3
      require 'colorize'
      require 'artii'
  5
  6
       def save_purchase_details(final_selection)
         CSV.open('./Wine-Sales.csv', 'a') do |csv|
  8
           csv << [[final_selection[0].name, final_selection[0].sale_price]]</pre>
  9
 10
         end
 11
       end
 12
 13
       def print_heading(message)
         a = Artii::Base.new font: 'digital'
 14
         puts a.asciify(message).colorize(:light_blue)
 15
 16
       end
 17
 18
       prompt = TTY::Prompt.new
 19
       csv_text = File.read('Wine-List-March2020.csv')
 20
 21
       csv = CSV.parse(csv_text, headers: true)
      wine_list = []
 22
 23
       csv.each do |row|
 24
         row_data = row.to_hash
         wine_list.push(Wine.new(row_data['Type'], row_data['Name'], row_data['Budget'], row_data['Sale_Price'],
 25
         row_data['Producer'], row_data['Country_of_Origin'], row_data['Grape_Variety'], row_data['Region']))
 26
       end
```

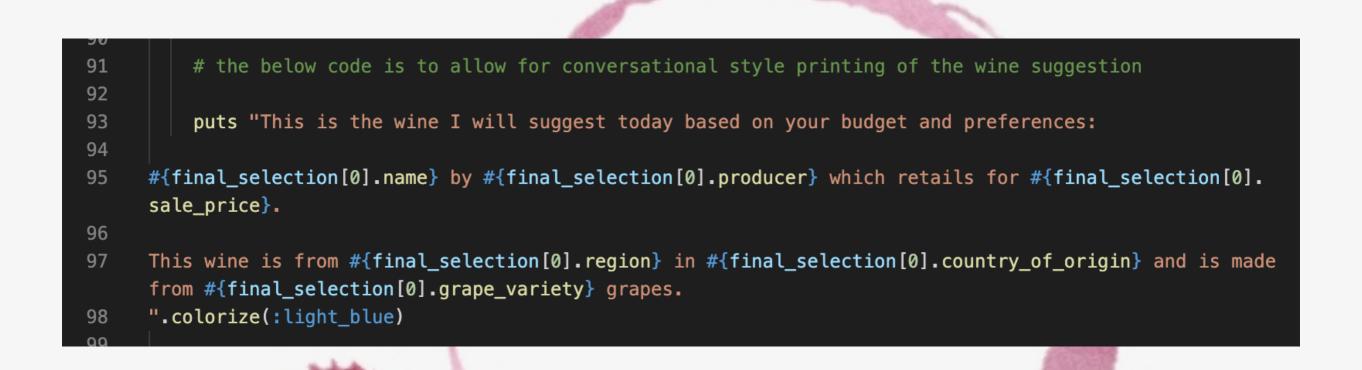
```
# The below code is to collect the user's age and verify that they are over 18 years old and legally
28
     allowed to consume alcohol (within Australia)
29
30
     begin
31
         begin
            print_heading('Hello')
32
33
           puts "
34
35
        ... and welcome to Em's Wine Selection Assistant
36
37
           puts 'Please input your age in years'
38
           age = gets.chomp
39
           age = Integer(age)
40
41
           if age < 18
42
              puts 'Sorry, you need to be over 18 to use this application'
43
             exit
44
            elsif age >=110
45
46
             puts 'Sorry, I appreciate your interest, but maybe considering your elderly age it would be best
             if you avoid alcohol in the best interests of your health'
             exit
47
           elsif age >= 18
48
              puts "Thanks, let's continue"
49
             puts ''
50
51
            end
52
          rescue StandardError
           puts "Sorry, that didn't work, please enter your age in years using numbers only"
53
54
           retry
55
         end
```



```
57
        # the below code is to collect the users budget selection
58
59
        budget = prompt.select("Please confirm your budget for this wine selection:
60
61
       Budget >$25 | Mid-Range: $25-$50 | Premium: >$50
62
63
         64
65
66
        begin
            if budget != 'Budget' && budget != 'Mid-Range' && budget != 'Premium'
67
              raise 'invalid input'
68
69
         end
70
         rescue RuntimeError
71
          puts "Sorry, that didn't work, please chose either Budget, Mid-Range or Premium from the list of
          options"
72
          retry
73
          end
```



```
# the below code begins to filter the wine selected by the user into a new array which will then be
displayed to them. First filter is budget and then it moves onto type
user_wine_selection = wine_list.select do |wine|
  budget == wine.budget
end
type_selected = prompt.select("Now that we've confirmed your price range. Please confirm your
preference for wine today:
 %w[Sparkling White Rose Orange Red Surprise])
puts ''
final_selection = user_wine_selection.select do |wine|
  type_selected == wine.type
end
```



```
100
          # the below code is to send the user back to the beginning of the process if they are not happy with
          the suggestion or changed their mind on budget/type
101
102
          satisfied = prompt.select("Would you like to accept this suggestion or review the options again and
          make changes to your preferences?
        ", ["I'm happy with my selection and would like to purchase this wine, cheers!", 'I would like to
103
        review the options again'])
104
          if satisfied != "I'm happy with my selection and would like to purchase this wine, cheers!"
105
            raise "Ok we'll start again"
106
107
        end
108
      rescue StandardError
109
        retry
110
      else
111
        # The below code is me attempting to list the wine selected into a sales file recording prices
        puts "
112
113
          Thank you - enjoy your bottle of vino!
114
115
116
        print_heading('Cheers! Salute! Prost!')
        puts ""
117
118
119
        save_purchase_details(final_selection)
120
        exit
121
        end
```

```
Wine-Sales.csv — Code
wine.rb
                                           ■ Wine-Sales.csv ×
              ₩ine-List-March2020.csv
    "[""Eden Valley No 4"", ""$24.00""]"
    "[""Baron Jacques Blanc de Blanc"", ""$52.00""]"
    "[""Moonlit Forrest"", ""$34.00""]"
    "[""Summer Snowflake"", ""$44.00""]"
5
    "[""Onannon Noir"", ""$42.00""]"
6
```

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<u>WINE SELECTION ASSISTANT</u> wine.rb ■ Wine-List-March2020.csv × Wine-Sales.csv

- 1 Type, Name, Budget, Sale_Price, Producer, Country_of_Origin, Grape_Variety, Region,
- Sparkling, Range Life Prosecco NV, Budget, \$22.00, Range Life, Australia, Glera, King Valley, 2
- Sparkling, Atmospheres NV, Mid-Range, \$45.00, Jo Landron, France, "Chardonnay, Folle Blanc, Pinot Noir", Muscadet,
- Sparkling, Baron Jacques Blanc de Blanc, Premium, \$52.00, Baron Jacques, France, Chardonnay, Burgundy,
- White, Eden Valley No 4, Budget, \$24.00, Riesling Freak, Australia, Riesling, Eden Valley,
- White, Ouille Savagnin, Mid-Range, \$35.00, Scintilla Wines, Australia, Savagnin, Fleurieu Peninsiula,
- White, Exogyra Virgula, Premium, \$74.00, Goisot, France, Cepage Sauvignon Blanc, Bourgogne,
- Rose, Mallaluka Rose, Budget, \$23.00, Mallaluka, Australia, "Sangiovese, Viognier", Canberra, 8
- Rose, Summer Snowflake, Mid-Range, \$44.00, Kunoh Wines, New Zealand, "Pinot Gris, Chardonnay, Sauvignon Blanc, Gerwurztraminer, Riesling", Nelson,
- Rose, Grain de Folie Rose, Premium, \$56.00, Domaine Mamaruta, France, Syrah, Vin de France, 10
- 11 Orange, Boomtown Amber, Budget, \$24.00, Boomtown, Australia, Riesling & Fiano, Central Victoria,
- Orange, Libiamo, Mid-Range, \$34.00, Millton Vineyards, New Zealand, Field Blend, Gisborne, 12
- 13 Orange, Emma, Premium, \$59.00, Farnea di Marco Buratti, Italy, Muscat, Padua,
- 14 Red, Poliphonia , Budget, \$24.50, Pheasant's Tears, Georgia, 417 Variety Field Blend, Caucasus,
- Red, Onannon Noir, Mid-Range, \$42.00, Onannon, Australia, Pinot Noir, Mornington Peninsula, 15
- Red, Farr Rising, Premium, \$54.00, Nick Farr, Australia, Shiraz, Geelong, 16
- 17 Surprise, Minim Hitch, Budget, \$24.00, Minim Wines, Australia, Sangiovese & Nero D'Avola, Heathcote,
- Surprise, Moonlit Forrest, Mid-Range, \$34.00, Jayden Ong, Australia, Pinot Gris & Pinot Noir, Victoria, 18
- 19 Surprise, Hochkirch Maximus Pinor Noir, Premium, \$58.00, Hochkirch, Australia, Pinot Noir, Henty,

20



~/Desktop/Code/Projects/Terminal-App ruby wine.rb

```
+-+-+-+-+
|H|e|1|1|o|
+-+-+-+-+
```

... and welcome to Em's Wine Selection Assistant

Please input your age in years



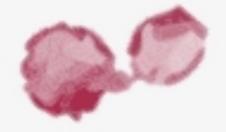
```
Please input your age in years
34
Thanks, let's continue
Please confirm your budget for this wine selection:
  Budget >$25 | Mid-Range: $25-$50 | Premium: >$50
   (Use \uparrow/\downarrow arrow keys, press Enter to select)
 Budget
  Mid-Range
  Premium
```

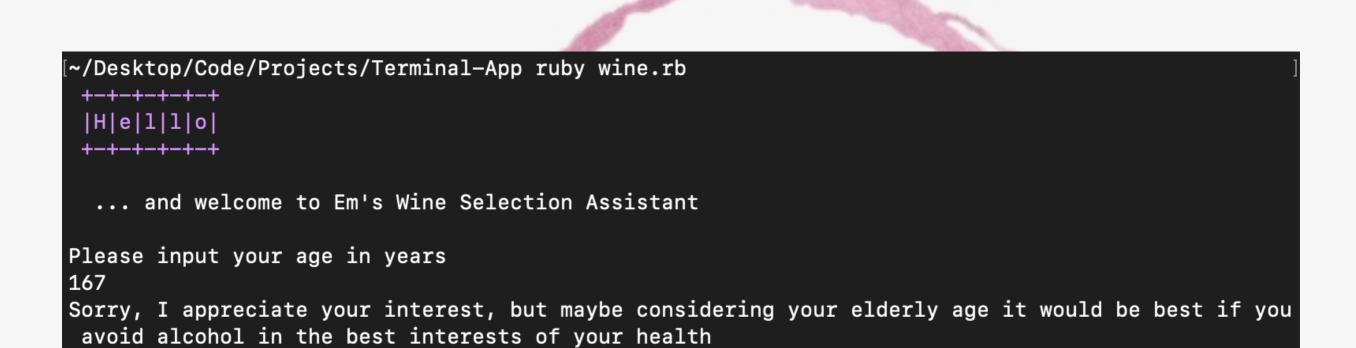
```
|H|e|1|1|o|
  ... and welcome to Em's Wine Selection Assistant
Please input your age in years
34
Thanks, let's continue
Please confirm your budget for this wine selection:
  Budget >$25 | Mid-Range: $25-$50 | Premium: >$50
  Mid-Range
Now that we've confirmed your price range. Please confirm your preference for wine today:
     (Use ↑/↓ arrow keys, press Enter to select)
▶ Sparkling
 White
  Rose
  Orange
  Red
  Surprise
```

```
... and welcome to Em's Wine Selection Assistant
Please input your age in years
Thanks, let's continue
Please confirm your budget for this wine selection:
  Budget >$25 | Mid-Range: $25-$50 |
                                       Premium: >$50
   Mid-Range
Now that we've confirmed your price range. Please confirm your preference for wine today:
     Orange
This is the wine I will suggest today based on your budget and preferences:
Libiamo by Millton Vineyards which retails for $34.00.
This wine is from Gisborne in New Zealand and is made from Field Blend grapes.
Would you like to accept this suggestion or review the options again and make changes to your preferences?
   (Use \uparrow/\downarrow arrow keys, press Enter to select)
I'm happy with my selection and would like to purchase this wine, cheers!
 I would like to review the options again
```

```
|H|e|1|1|o|
  ... and welcome to Em's Wine Selection Assistant
Please input your age in years
Thanks, let's continue
Please confirm your budget for this wine selection:
  Budget >$25 | Mid-Range: $25-$50 | Premium: >$50
   Mid-Range
Now that we've confirmed your price range. Please confirm your preference for wine today:
     Orange
This is the wine I will suggest today based on your budget and preferences:
Libiamo by Millton Vineyards which retails for $34.00.
This wine is from Gisborne in New Zealand and is made from Field Blend grapes.
Would you like to accept this suggestion or review the options again and make changes to your preferences?
   I'm happy with my selection and would like to purchase this wine, cheers!
    Thank you - enjoy your bottle of vino!
                |S|a|1|u|t|e|!| |P|r|o|s|t|!|
~/Desktop/Code/Projects/Terminal-App
```

```
... and welcome to Em's Wine Selection Assistant
Please input your age in years
30
Thanks, let's continue
Please confirm your budget for this wine selection:
  Budget >$25 | Mid-Range: $25-$50 | Premium: >$50
   Premium
Now that we've confirmed your price range. Please confirm your preference for wine today:
     Surprise
This is the wine I will suggest today based on your budget and preferences:
Hochkirch Maximus Pinor Noir by Hochkirch which retails for $58.00.
This wine is from Henty in Australia and is made from Pinot Noir grapes.
Would you like to accept this suggestion or review the options again and make changes to your pre
ferences?
   I'm happy with my selection and would like to purchase this wine, cheers!
    Thank you - enjoy your bottle of vino!
```





```
[~/Desktop/Code/Projects/Terminal-App ruby wine.rb
 |H|e|l|l|o|
  ... and welcome to Em's Wine Selection Assistant
Please input your age in years
dfjghjgfd
Sorry, that didn't work, please enter your age in years using numbers only
 +-+-+-+-+
 |H|e|1|1|o|
  ... and welcome to Em's Wine Selection Assistant
Please input your age in years
```

