

T1A3 RUBY APPLICATION

Book Club App

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PROBLEM

I have a book club but struggle to organise and allocate books for the month.

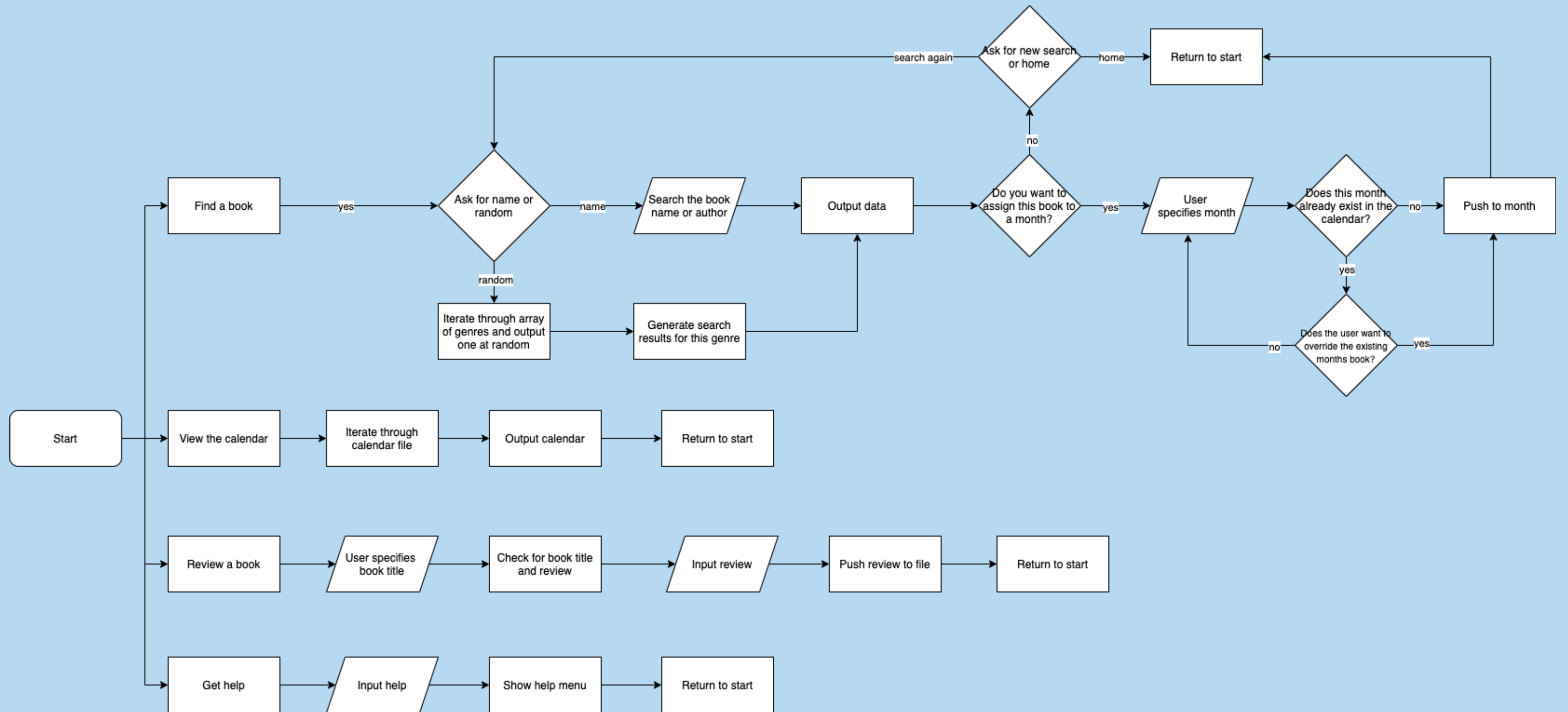
SOLUTION

An app that lets me search through google books by title or author, or randomly chose a book for me. The book can then be allocated to a calendar that I can share with other members.

BOOK BOSOMED WAS BORN

Book-bosomed (*noun*):

A person who always carries a book on their person.



FEATURES

1. Find a book through Google Books API based on either the title, author, or randomly generate one for the user
2. Allocate a book to a month for the book club and have this calendar be sharable
3. Write a review of the book once read and push to the calendar file

CURRENT

- Not super DRY
- But working(ish)
- Outputs top 5 results for a given search, including the book ranking, then shows user which of the 5 is the highest rated
- Used array so user can input a number instead of book title to allocate to month (less room for error)

CURRENT

```
# method for adding a book to the calendar
def calendar(top_results)
  puts "Which number would you like to add?"
  book_to_add = gets.chomp.to_i - 1
  puts "Which month would you like to add this book to?"
  month_action = gets.chomp.downcase
  data = SmarterCSV.process("bookclub.csv")
  # this will need to be a method because it is repeated for the review section
  data.each_with_index do |row, index|
    if month_action == row[:month]
      puts "You already have a book for #{month_action.capitalize}, would you like to override this book allocation? (y or n)"
      override_action = gets.chomp.downcase
      if override_action == "y"
        data[index] = {
          month: month_action,
          title: top_results[book_to_add][:title],
          author: top_results[book_to_add][:author],
          rating: top_results[book_to_add][:rating],
          review: nil
        }
        puts "Great, #{top_results[book_to_add][:title]} has been added to #{month_action.capitalize}."
      else override_action == "n"
        puts "Which month would you like to add this book to instead?"
        month_action = gets.chomp.downcase
      end
    end
  end
  # override the existing csv and push titles
  CSV.open("bookclub.csv", "w") do |csv|
    csv << [:month, :title, :author, :rating, :review]
  end
  # iterate through the variable 'data' and push the existing row values into the file
  data.each do |row|
    CSV.open("bookclub.csv", "a") { |csv| csv << row.values }
  end
  # add the new book to the csv file
  CSV.open("bookclub.csv", "a") do |csv|
    csv << [month_action, top_results[book_to_add][:title], top_results[book_to_add][:author], top_results[book_to_add][:rating]]
  end
  puts "Would you like to see the calendar? (y or n)"
  options_action = gets.chomp.downcase
  if options_action == "y"
    view_calendar
  end
end
```

CURRENT

```
adrianaheesh@Adrianas-MacBook-Pro src % ruby main.rb
Welcome to the Book Bosomed app! What would you like to do? (Options: find book, view calendar, write review, get help)
view calendar
In January, you're reading Forbidden by ["Tabitha Suzuma"].
In February, you're reading THE GREAT GATSBY (1925 Edition) by ["F. Scott Fitzgerald"].
In March, you're reading A Short History of Nearly Everything by ["Bill Bryson"].
In April, you're reading J.K. Rowling by ["Connie Ann Kirk"].
adrianaheesh@Adrianas-MacBook-Pro src % ruby main.rb
Welcome to the Book Bosomed app! What would you like to do? (Options: find book, view calendar, write review, get help)
find book
Let's find you a book to read! Type the title of the book you're looking for, or 'random' to get one generated for you.
j d salinger
You're top search results are:
1. The Catcher in the Rye by J. D. Salinger.
2. J. D. Salinger, New Edition by Sterling Professor of the Humanities Harold Bloom.
3. J.D. Salinger by Raychel Haugrud Reiff.
4. Franny and Zooey by J. D. Salinger.
5. J. D. Salinger: The Last Interview by J. D. Salinger.
The result with the highest rating is: The Catcher in the Rye by J. D. Salinger.
Would you like to add one of these titles to your calendar? (y or n)
y
Which number would you like to add?
1
Which month would you like to add this book to?
january
/Users/adrianaheesh/.rbenv/versions/2.7.1/lib/ruby/gems/2.7.0/gems/smarter_csv-1.2.6/lib/smarter_csv/smarter_csv.rb:152: warning: Using the last argument as keyword parameters is deprecated;
maybe ** should be added to the call
/Users/adrianaheesh/.rbenv/versions/2.7.1/lib/ruby/2.7.0/csv.rb:679: warning: The called method `parse' is defined here
You already have a book for January, would you like to override this book allocation? (y or n)
y
Great, The Catcher in the Rye has been added to January.
Would you like to see the calendar? (y or n)
y
In January, you're reading The Catcher in the Rye by ["J. D. Salinger"].
In February, you're reading THE GREAT GATSBY (1925 Edition) by ["F. Scott Fitzgerald"].
In March, you're reading A Short History of Nearly Everything by ["Bill Bryson"].
In April, you're reading J.K. Rowling by ["Connie Ann Kirk"].
In January, you're reading The Catcher in the Rye by ["J. D. Salinger"].
adrianaheesh@Adrianas-MacBook-Pro src % █
```


CURRENT

- Randomised less perfect – created array of genres, one of which gets output at random and searched, 5 best results for 'autobiography' will be output for example
- Outputs chosen title to a selected month in a CSV file
- CSV file needs to be overwritten every time a user wants to change the month allocation

IDEAL

- Everything works
- Proper error handling (heavily reliant on user input)
- Appropriate classes and methods to keep DRY
- Loop whole thing so the app doesn't exit or if a user selects no to an option they can be redirected to the right place
- create user login system

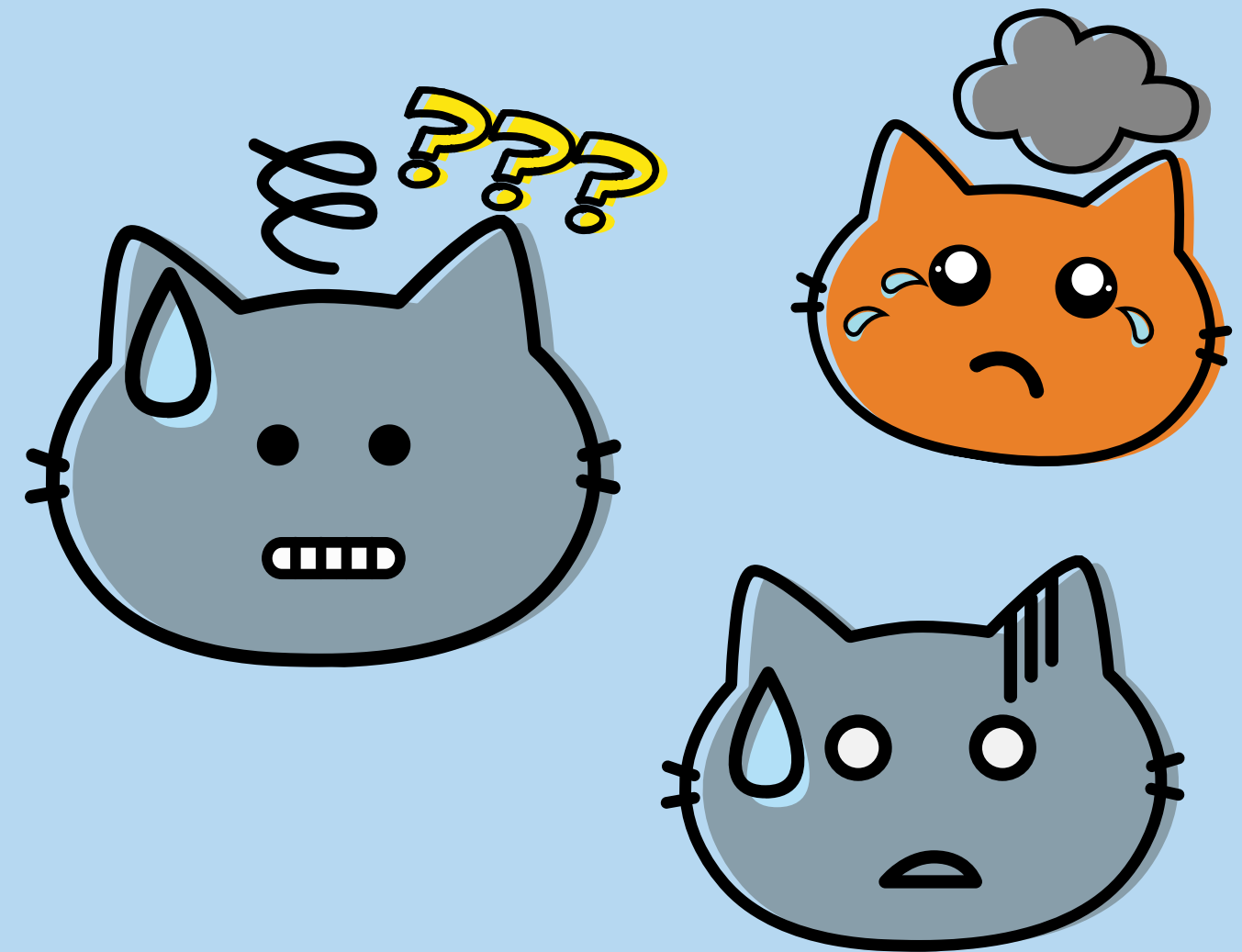
REVIEW

Challenges:

- Ruby is hard
- Command line arguments
- DRY code
- When to use a method/class and then how

Favourite parts:

- the 1% of time that it works



REVIEW

Ethical concerns:

- having to use an API key that is visible on GitHub, got an email warning about this

Overall:

- Ruby is hard