

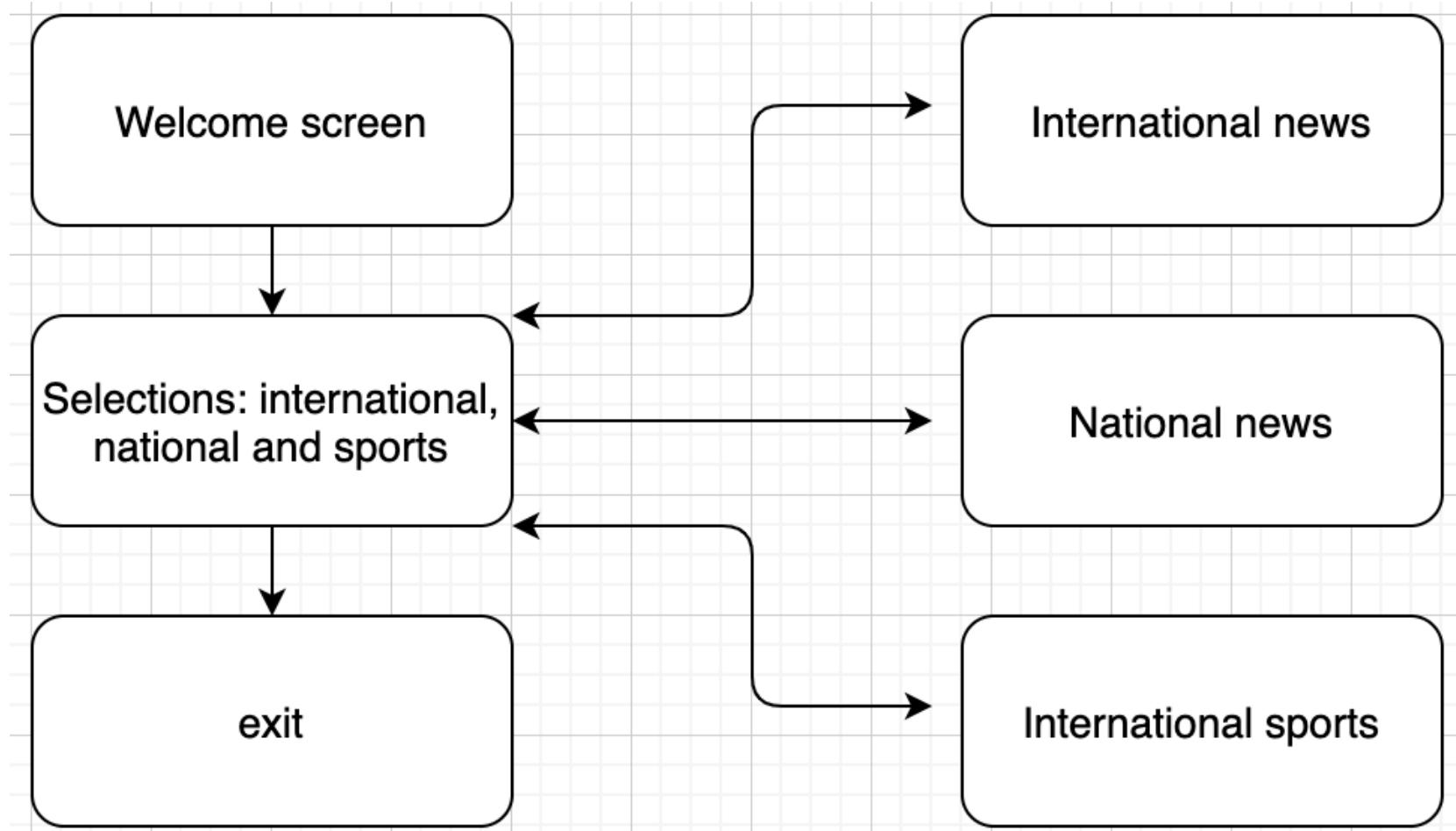
```
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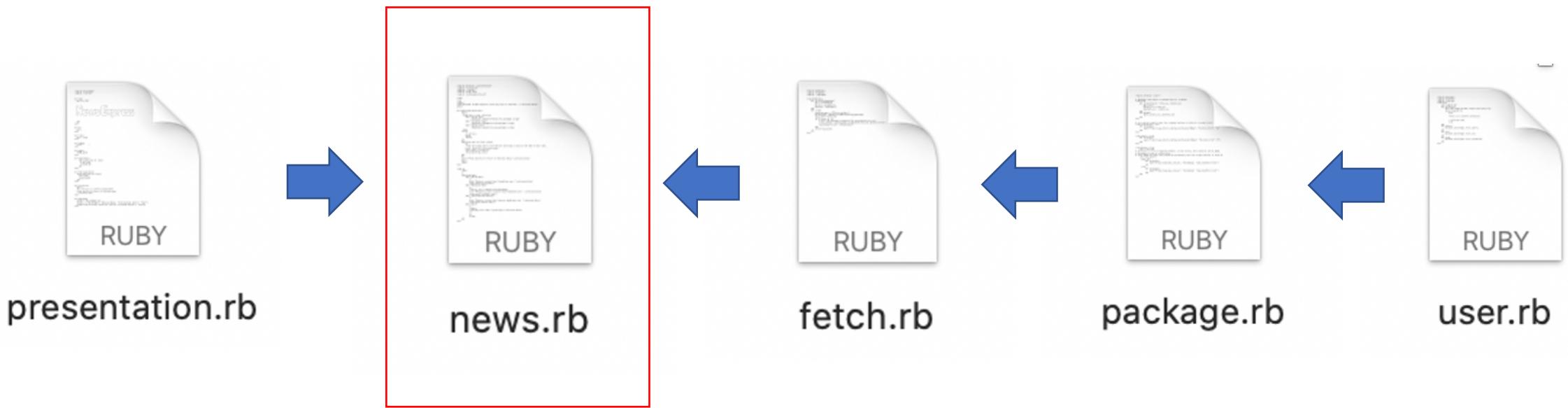


Welcome to News Express! Press any key to continue... █

```
def logo  
  puts <<-'EOF'  
  
  [ \ ] [ ]  
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  [ \ ] [ ] / \ / \ / [ ] [ ]  
  
  EOF  
end
```

```
clear  
logo  
indent  
type("Welcome to News Express! Press any key to continue...".colorize(:blue))  
pause
```





user.rb X

Users > kcsheng > Desktop > TerminalApp > src > user.rb

```
1  require "Geocoder"
2  require "net/http"
3  require "colorize"
4  class User
5      attr_reader(:ip)
6      def initialize
7          @ip = Net::HTTP.get URI "https://api.ipify.org"
8          rescue SocketError
9              puts "
10
11             There is no internet connection!
12
13             ".colorize(:red)
14             exit
15     end
16     def country
17         Geocoder.search(@ip).first.country
18     end
19     def city
20         Geocoder.search(@ip).first.city
21     end
22     def coord
23         Geocoder.search(@ip).first.coordinates
24     end
25 end
26
```

package.rb ×

Users > kcsheng > Desktop > TerminalApp > src > package.rb

```
1  require_relative "./user"
2
3  # Implement inheritance to package data for scraping
4  class Site
5      def initialize(url, title_css, content_css)
6          @url = url
7          @title_css = title_css
8          @content_css = content_css
9      end
10     def package
11         [@url, @title_css, @content_css]
12     end
13 end
14
15 # css selectors need to pass the scraping function in fetch.rb, in order to be listed here.
16 class Internation < Site
17     def initialize
18         super("https://www.reuters.com/news/archive/worldNews", "h3.story-title", "p")
19     end
20 end
21
22 class Sports < Site
23     def initialize
24         super("https://www.reuters.com/news/archive/sportsNews", "h3.story-title", "p")
25     end
26 end
```

```
28 class Nation < Site
29   user = User.new
30 # Australia is set as a temporary default. In the future, more countries can be added.
31 # Case/when is used to reflect this.
32 # Sites added here must have passed the preliminary test with scrape function in fetch.rb.
33   case user.country
34     when "AU"
35       def initialize
36         super("https://www.news.com.au/", "h4.heading", "span.standfirst-text")
37       end
38     else
39       def initialize
40         super("https://www.news.com.au/", "h4.heading", "span.standfirst-text")
41       end
42     end
43   end
44
```

Please choose one from the following options. (Use ↑/↓ arrow keys, press Enter to select)

▶ World News

National News

International Sports

Quit

```
def main_menu
  prompt = TTY::Prompt.new
  choices = ["World News", "National News", "International Sports", "Quit"]
  prompt.select("Please choose one from the following options.", choices)
end
```

```
loop do
    clear
    br
    case main_menu
        when "World News"
            br
            puts "Reuters current top 5 headlines are: ".colorize(:blue)
            show_news("world news")
        when "National News"
            br
            country_site = Nation.new.package[0]
            puts "#{country_site} current top 5 headlines are: ".colorize(:blue)
            show_news("national news")
        when "International Sports"
            br
            puts "Reuters current top 5 sports headlines are: ".colorize(:blue)
            show_news("sports news")
        when "Quit"
            br
            indent
            type("Bye now. Have a great day!".colorize(:blue))
            br
            br
            break
    end
end
```

```
def show_news(selection)
begin
  headlines = case selection
    when "world news"
      Headlines.new(Internation.new.package).scrape
    when "national news"
      Headlines.new(Nation.new.package).scrape
    when "sports news"
      Headlines.new(Sports.new.package).scrape
  end
rescue
  no_service
  pause
  return
end
headlines.each do |key, value|
  br
  # Use word_wrap gem to overcome the word split issue at the end of each line.
  print (key.fit).colorize(:cyan) require "word_wrap"
  wrap_value = value.fit require 'word_wrap/core_ext'
  fast_type(wrap_value)
end
br
print "Press any key to return to the main menu.".colorize(:blue)
pause
clear
end
```

```
1  require "nokogiri"
2  require "httparty"
3  require "./package"
4
5  class Headlines
6      def initialize(package)
7          @url = package[0]
8          @title = package[1]
9          @content = package[2]
10         @unparsed_page = HTTParty.get(@url)
11         @parsed_page = Nokogiri::HTML(@unparsed_page.body)
12     end
13
14     def scrape
15         top_5_news = Hash.new
16         (0..4).each do |n|
17             headline_title = @parsed_page.css(@title)[n].text.delete("\n""\t")
18             headline_content = @parsed_page.css(@content)[n].text.delete("\n""\t")
19             top_5_news[headline_title] = headline_content
20         end
21     end
22 end
```

Please choose one from the following options. [World News](#)

Reuters current top 5 headlines are:

[\*\*Separatist group in Yemen announces self-rule in country's south\*\*](#)

Yemen's separatist Southern Transitional Council (STC) early on Sunday announced it would establish self-rule in regions under their control, which the Saudi-backed government warned would have "catastrophic consequences".

[\*\*Face masks to strawberries: Abu Dhabi hospital keeps tabs on resources\*\*](#)

(This April 23 story clarifies that masks are disinfected, not sterilized, in paragraph 2)

[\*\*Singapore races to build beds for COVID-19 patients as cases surge\*\*](#)

Singapore is rapidly building bed space for coronavirus patients in cavernous exhibition halls and other temporary facilities as it faces a surge in cases, mainly among its large community of low-paid migrant workers.

[\*\*Thailand reports 15 new coronavirus cases, no new deaths\*\*](#)

Thailand on Sunday reported 15 new coronavirus cases and no new deaths, bringing the total number of cases since its outbreak in January to 2,922 cases and 51 deaths.

[\*\*Cuba sends doctors to South Africa to combat coronavirus\*\*](#)

Cuba sent 216 healthcare workers to South Africa on Saturday, the latest of more than 20 medical brigades it has sent worldwide to combat the coronavirus pandemic, in what some call socialist solidarity and others medical diplomacy.

Press any key to return to the main menu. █

Please choose one from the following options. **National News**

<https://www.news.com.au/> current top 5 headlines are:

**PLAN C: The world's last hope if coronavirus vaccine comes to nothing**

While billions suffer under blunt lockdown measures to quash the spread of the virus, much of the world's bet is on a vaccine. But what if it doesn't come?

**How app tracks people 1.5m from you**

Australia's virus-tracing app has launched, and will be able to track people 1.5 metres or 15 minutes away from you. Here's how it works.

**First Aussie state relaxes restrictions**

Australia is beginning to ease tough social restrictions as the fight against coronavirus continues to progress well. But there's a catch.

**Why you need to delete these apps**

The network of apps targeted popular services and were downloaded by millions before being removed from Google's Play store.

**Top cop killed in horror city crash**

The two people killed in a horror three-way crash in Adelaide have been identified. One was a top ranking police officer.

Press any key to return to the main menu. █

Please choose one from the following options. International Sports

Reuters current top 5 sports headlines are:

**On this day: Born April 27, 1952. Ari Vatanen, rally champion**

Ari Vatanen's father died in a car crash while driving his family to a funeral when the future world rally champion was eight years old.

**NBA: Some practice facilities could be opened by Friday – report**

Some NBA practice facilities could re-open as early as Friday, ESPN reports, but that does not mean any resumption of the suspended season is imminent.

**Smooth sailing in virtual draft as LSU talent steals the show**

The final rounds of the NFL Draft capped a smooth and generally glitch-free affair on Saturday, as the league pivoted to a virtual format for the first time ever due to the coronavirus, with coaches and prospects staying out of the spotlight and behind closed doors.

**Expelled from college, 152nd draft choice out for redemption**

A player from the defunct XFL who was expelled from university for cheating in an online exam will now have an opportunity to forge out a career in the National Football League (NFL).

**Vikings select record 15 players in seven-round draft**

The Minnesota Vikings set an NFL record on Saturday by selecting 15 players over the course of a seven-round draft.

Press any key to return to the main menu. █

Please choose one from the following options. **Quit**

Bye now. Have a great day!

kcseng@KCs-MacBook-Pro src %

```
def show_news(selection)
begin
  headlines = case selection
    when "world news"
      Headlines.new(Internation.new.package).scrape
    when "national news"
      Headlines.new(Nation.new.package).scrape
    when "sports news"
      Headlines.new(Sports.new.package).scrape
  end
rescue
  no_service
  pause
  return
end
headlines.each do |key, value|
  br
  # Use word_wrap gem to overcome the word split issue at the end of each line.
  print (key.fit).colorize(:cyan)
  wrap_value = value.fit
  fast_type(wrap_value)
end
br
print "Press any key to return to the main menu.".colorize(:blue)
pause
clear
end
```

Please choose one from the following options. [World News](#)

[Reuters current top 5 headlines are:](#)

**This service is currently unavailable!**

**Press any key to return to the main menu.**

user.rb X

Users > kcsheng > Desktop > TerminalApp > src > user.rb

```
1  require "Geocoder"
2  require "net/http"
3  require "colorize"
4  class User
5      attr_reader(:ip)
6      def initialize
7          @ip = Net::HTTP.get URI "https://api.ipify.org"
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16     end
17     def country
18         Geocoder.search(@ip).first.country
19     end
20     def city
21         Geocoder.search(@ip).first.city
22     end
23     def coord
24         Geocoder.search(@ip).first.coordinates
25     end
26
```

```
[kcsheng@KCs-MacBook-Pro src % ruby news.rb
```

There is no internet connection!

```
kcsheng@KCs-MacBook-Pro src %
```