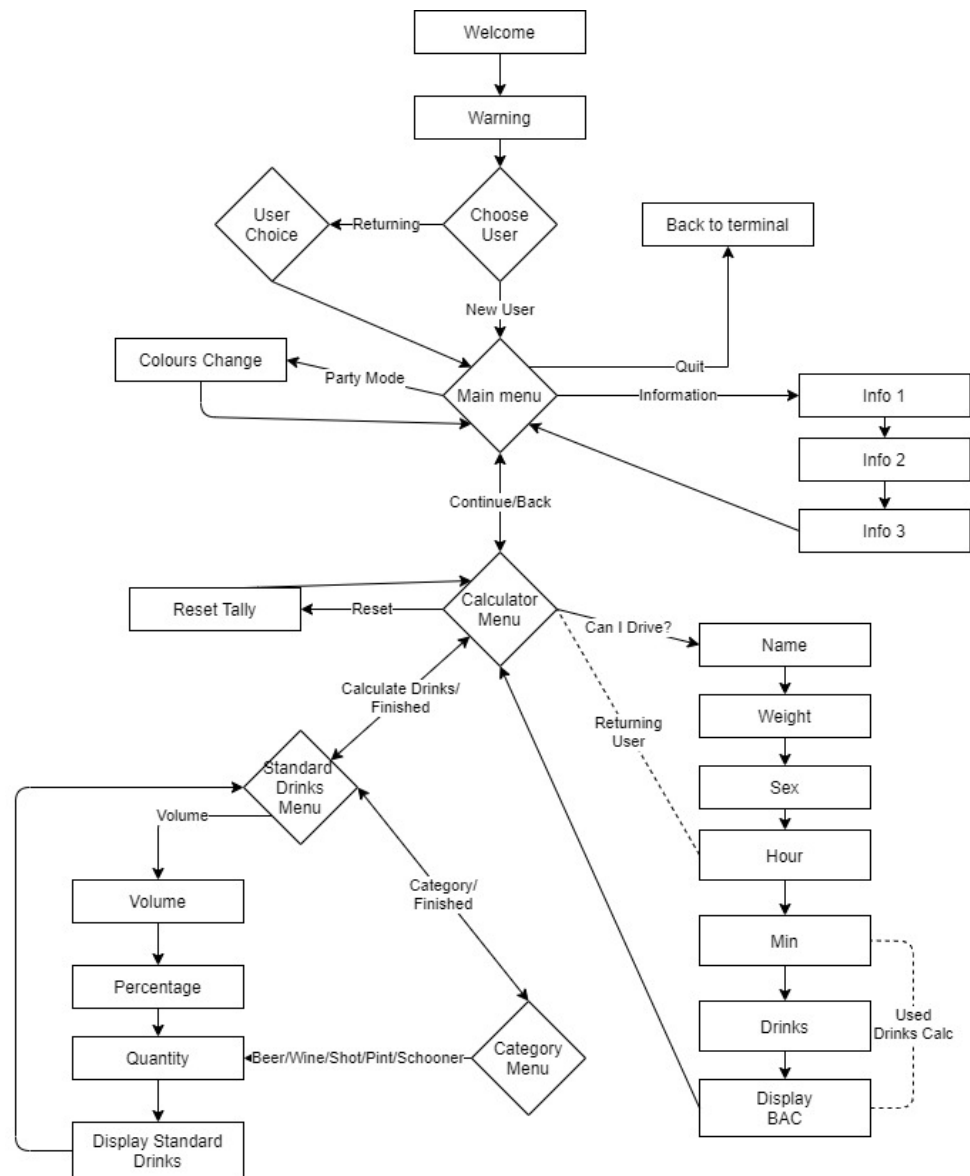


CAN I DRIVE?



```
david@Dave-X1Carbon: ~/proje × + ∨  
  
Can I Drive?  
  
Standard drinks tally: 0  
  
1. Can I Drive? (Start here if you know how many drinks you've had)  
2. Calculate number of drinks  
3. Reset drinks tally  
4. Back  
  
Type the number for your selection then press enter.
```

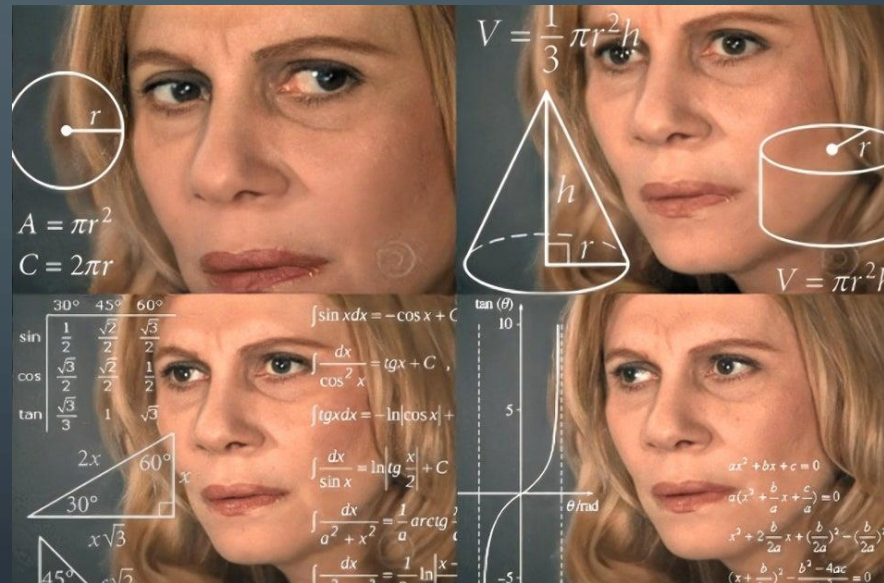
- Calculate BAC
- Calculate standard drinks
- Remember user inputs in a user file



```
#Calculates the time from the present until BAC will reach 0.05
def time_to_drive
  time_now = Time.new
  #Widmark formula manipulated to give hours given a known BAC (minus the time from when drinking began to the current time)
  hours = (((0.806 * @drinks * 1.2)/(@body_water_constant * @weight)) - 0.05) / @metabolic_constant - drinking_session
  #Splits the hours from a float to integers of hours and mins
  hour = hours < 1 ? 0 : hours.to_i
  mins = hours < 1 ? (hours * 60).to_i : ((hours - hour) * 60).to_i
  drive_hour = (time_now.hour + hour) % 24
  drive_min = (time_now.min + mins) % 60
  #Adds an hour if modulo is used when calculating mins
  drive_hour += 1 if (mins + time_now.min) > 60
  #Reformats the mins and hours so the output reads like a digital clock
  drive_min = "0" + drive_min.to_s if drive_min < 10
  drive_hour = "0" + drive_hour.to_s if drive_hour < 10
  return "Now!" if bac_calc <= 0.05
  return "#{drive_hour}:#{drive_min}"
end
```

CHALLENGES

- The Maths
- Error Handling
- Nested loops



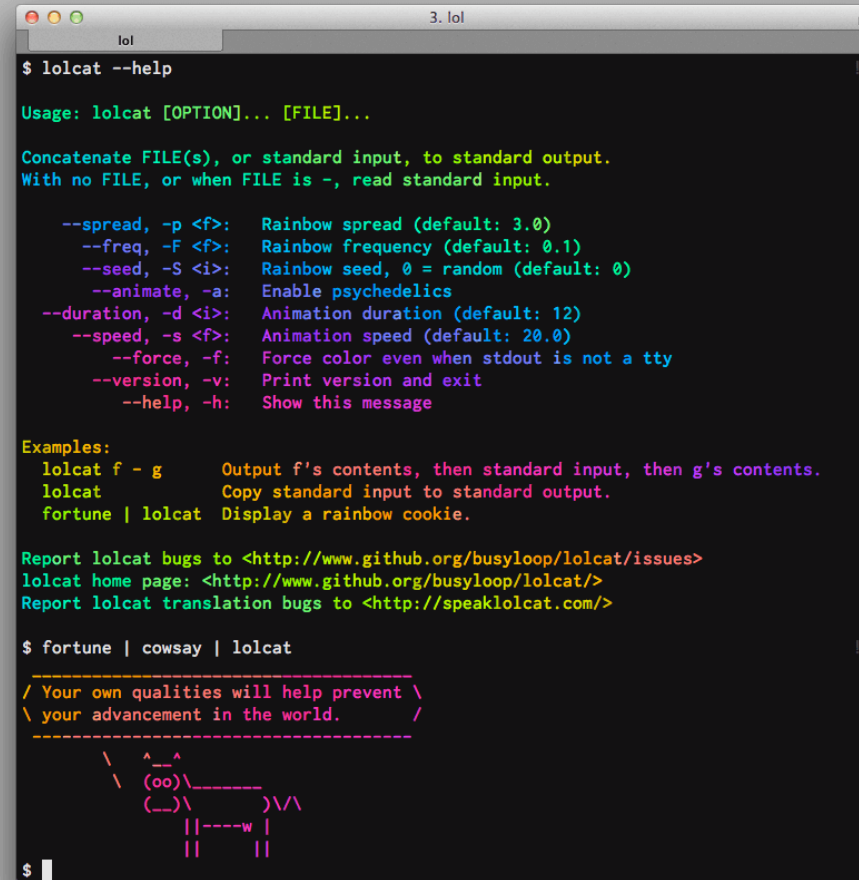
ETHICAL ISSUES

- Accuracy matters when it's potentially fatal decision
- Best not to toe the line



FAVOURITE PARTS

- Solving error handling
- Finding Gems



```
$ lolcat --help

Usage: lolcat [OPTION]... [FILE]...

Concatenate FILE(s), or standard input, to standard output.
With no FILE, or when FILE is -, read standard input.

    --spread, -p <f>:  Rainbow spread (default: 3.0)
    --freq, -F <f>:    Rainbow frequency (default: 0.1)
    --seed, -S <i>:     Rainbow seed, 0 = random (default: 0)
    --animate, -a:      Enable psychedelics
    --duration, -d <i>: Animation duration (default: 12)
    --speed, -s <f>:    Animation speed (default: 20.0)
    --force, -f:        Force color even when stdout is not a tty
    --version, -v:      Print version and exit
    --help, -h:        Show this message

Examples:
lolcat f - g      Output f's contents, then standard input, then g's contents.
lolcat            Copy standard input to standard output.
fortune | lolcat  Display a rainbow cookie.

Report lolcat bugs to <http://www.github.org/busyloop/lolcat/issues>
lolcat home page: <http://www.github.org/busyloop/lolcat/>
Report lolcat translation bugs to <http://speaklolcat.com/>

$ fortune | cowsay | lolcat

/ Your own qualities will help prevent \
\ your advancement in the world.      /

      ^__^
      (oo)\_______
      (__)\       )\/\
      ||----w |
      ||     ||

$
```

<https://github.com/busyloop/lolcat>