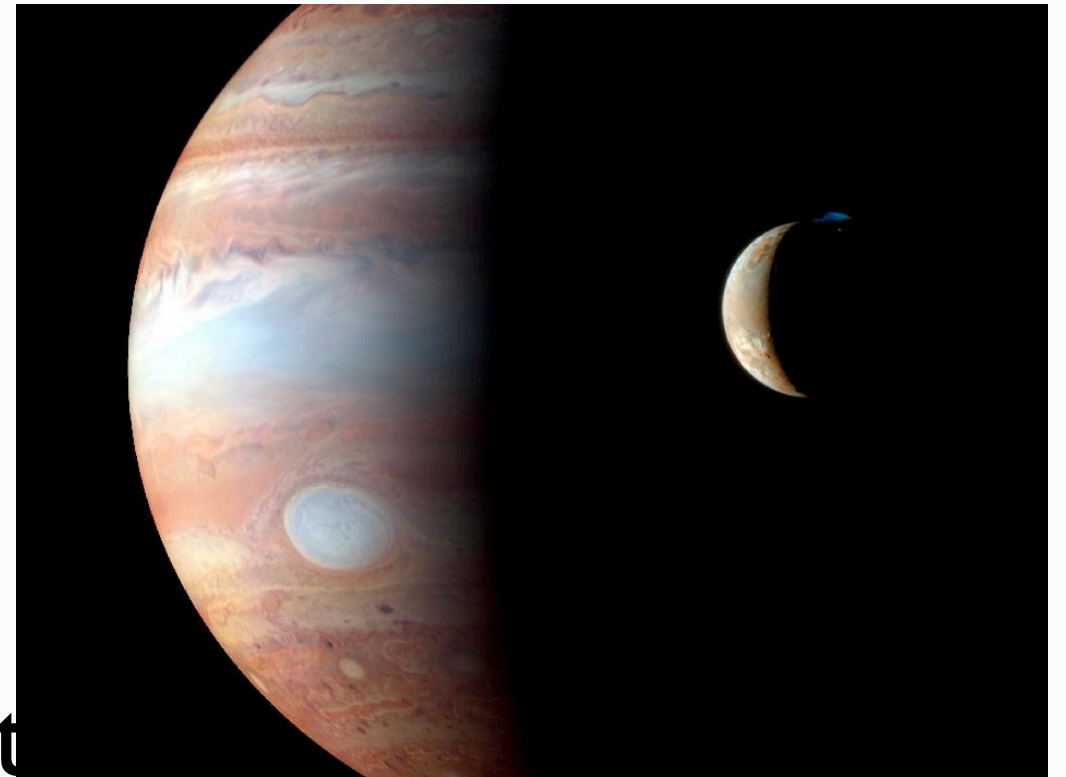# Ruby

Week 5

Homework Review

- Worker Spec

IO

- Input and Output

- Reading in, Writing out

- Working with the external (real!) world

Files

- file = File.open("test_file", "r+")

- "r" Read-only, starts at beginning of file (default)

- "r+" Read-write, starts at beginning of file

- "w" Write-only, truncates existing file to zero length or creates a new file for writing

- "w+" Read-write, truncates existing file to zero length or creates a new file for

Files with Blocks

- File.open("test_file", "r+") do |r|

    - r << "Add some text"

- end

- f = File.open("roster.txt")

- f.each{ |line| puts line}

- f.map{|line| line.split(',').first}

Files

- f = File.open("roster.txt")

- f.gets (get a line)

- f.pos (character position)

- f.rewind (pos = 0)

- f.read (file as a string)

- f.readlines (array of each line as a string)

Directories

- Dir.pwd

- Dir.chdir("..")

- All files: Dir["*"] All hidden files: Dir[".*"]

- d = Dir.new(".")

- Dir.mkdir("test")

- d.entries

- d.count

Rakefile

- Ruby Make

- Ruby scripting

- Ordered Tasks (configuration!)

Rake tasks

- task :name => [:dependency] do

  - <ruby code>

- end

Exercise

- Create a task that reads all the lines in names and outputs them

- Create a task that creates a class directory

- Create a task dependent on the class directory task that makes a directory in the class directory for each name in names
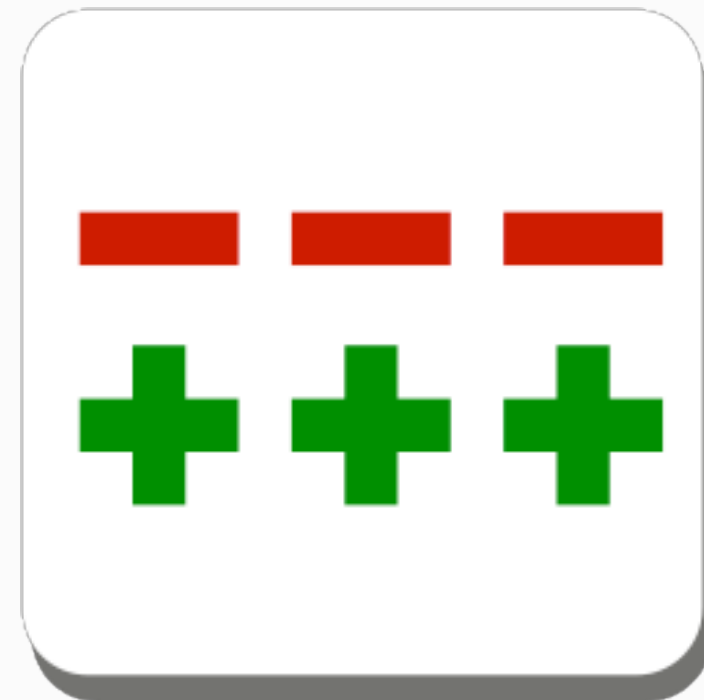
Homework

- Do the midterm!

- Ask me questions!

Review

- Git

- Objects

- RSpec

- Complex Data

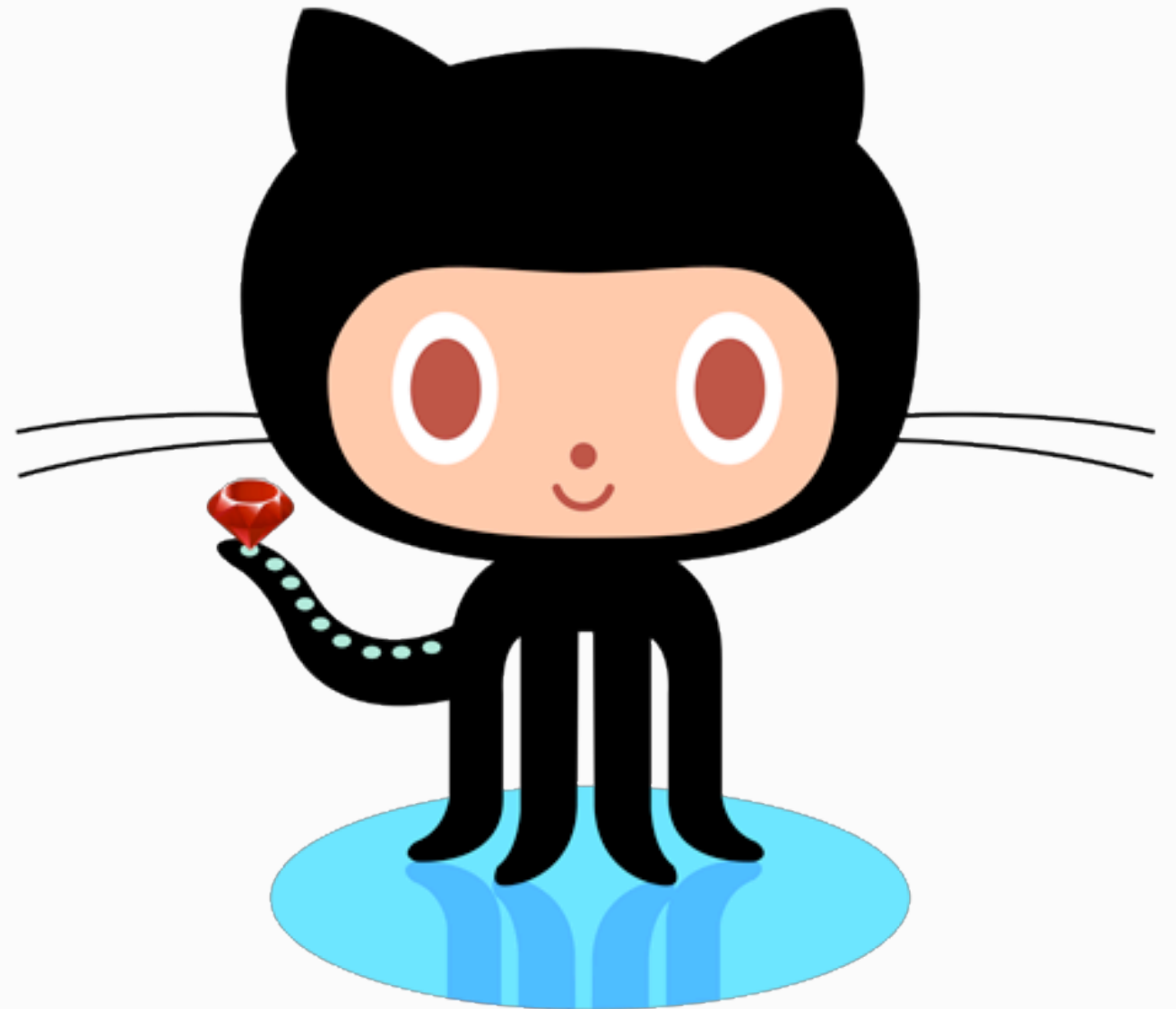# Git

- git init

- git add

- git commit

- git log

- .gitignore

Github / Git Remotes

- Fork

- Pull Request

- git remote

- git clone

- git branch (grb)

Objects

- new / initialize

- method signatures

- relationships

RSpec

- describe

- it

- matchers

- Relationship between our code and RSpec