BACK END WEB DEVELOPMENT

CLASS 05 - CLASSES & OBJECTS

AGENDA

- WHAT IS AN OBJECT?
- WHAT IS A CLASS?
- INSTANCE VARIABLES
- CLASS, INSTANCE & PRIVATE METHODS
- RISE OF THE ROBOTS

RISE OF THE ROBOTS

CODE ALONG

time: 60 minutes

STATE (OBJECT)

```
class Robot
  attr_accessor :name, :type, :origin #creates setter & getter methods (i.e., read/write a
  def initialize(name, type, origin) #params listed within () are required to create new in
    @name = name #instance variable makes variable available through class
    @type = type
    @origin = origin
end
my_robot = Robot.new("Jane", "Android", "Brooklyn")
my robot.name
```

BEHAVIOR (METHOD)

```
def fly
    add_wings_and_take_off
  def laser master
    if type == "Super Android"
      add_laser_training
      puts "I'm an #{type}. I don't have laser skills. Those come with the newer rol
 def self.make robots(number of robots)
  robots = number_of_robots.to_i
    Robot.random_robot_maker
private
def add wings and take off
  puts "I'm badass! I'm #{name}, an awesome #{type} with flying skills"
```

LET'S DO IT!

ROBOT_EMPTY.RB

time: 60 minutes

LAB TIME!

EX_APARTMENT_OBJECTS

time: 90 minutes