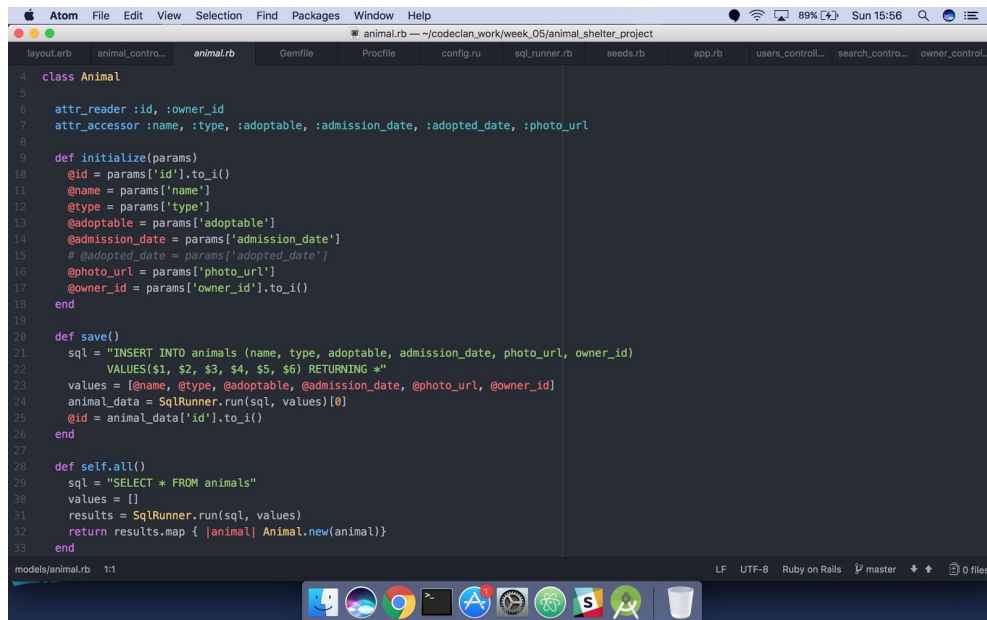


## Evidence for project unit I & T

### Rob Williams - Cohort E16

#### Week 2 - Reference I.T 5

**Demonstrate the use of an array in a program** - below array contains values for the SQL query. The save method uses this array to generate the full SQL query and write to the database via the SQL runner file.



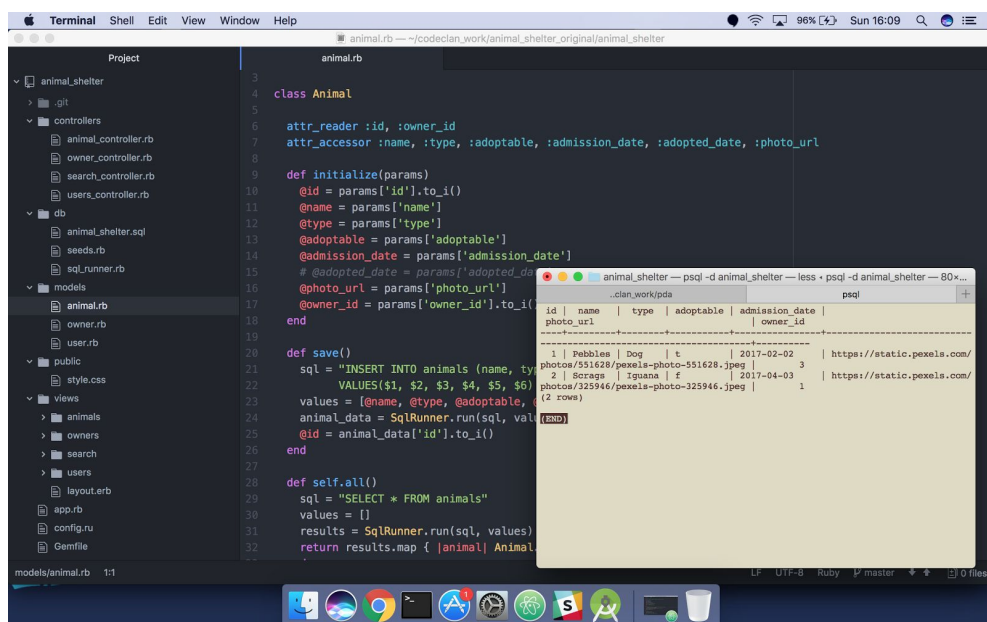
```
class Animal
  attr_reader :id, :owner_id
  attr_accessor :name, :type, :adoptable, :admission_date, :adopted_date, :photo_url

  def initialize(params)
    @id = params['id'].to_i()
    @name = params['name']
    @type = params['type']
    @adoptable = params['adoptable']
    @admission_date = params['admission_date']
    # @adopted_date = params['adopted_date']
    @photo_url = params['photo_url']
    @owner_id = params['owner_id'].to_i()
  end

  def save()
    sql = "INSERT INTO animals (name, type, adoptable, admission_date, photo_url, owner_id)
    VALUES($1, $2, $3, $4, $5, $6) RETURNING *"
    values = [@name, @type, @adoptable, @admission_date, @photo_url, @owner_id]
    animal_data = SqlRunner.run(sql, values)[0]
    @id = animal_data['id'].to_i()
  end

  def self.all()
    sql = "SELECT * FROM animals"
    values = []
    results = SqlRunner.run(sql, values)
    return results.map { |animal| Animal.new(animal)}
  end
end
```

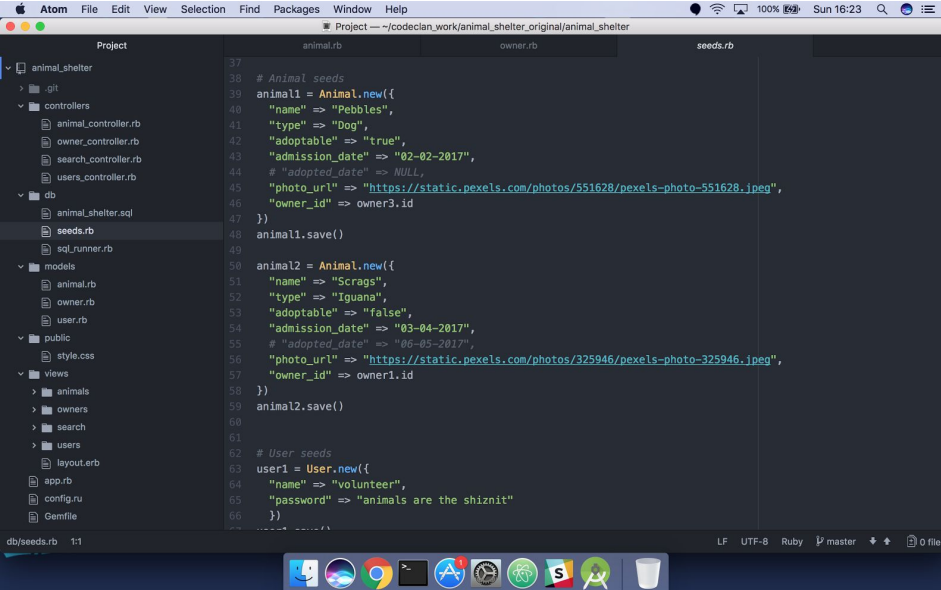
Below is the table run in psql showing animals saved to the database referencing the save function in the seeds file.



```
psql
psql> \d animals
psql> SELECT * FROM animals;
 id | name | type | adoptable | admission_date | owner_id |
----+-----+-----+-----+-----+-----+
  1 | Pebbles | Dog | t | 2017-02-02 | 3 |
  2 | Scraggs | Teguana | f | 2017-04-03 | 1 |
(2 rows)
```

## Week 2 - Reference I.T 6

**Demonstrate the use of a hash in a program** - The seeds file below is entering the information via a hash. It shows the information being generated before being passed to the save method of Animal (as per above screenshots on previous page).



```
37
38 # Animal seeds
39 animal1 = Animal.new({
40   "name" => "Pebbles",
41   "type" => "Dog",
42   "adoptable" => "true",
43   "admission_date" => "02-02-2017",
44   # "adopted_date" => NULL,
45   "photo_url" => "https://static.pexels.com/photos/551628/pexels-photo-551628.jpeg",
46   "owner_id" => owner3.id
47 })
48 animal1.save()
49
50 animal2 = Animal.new({
51   "name" => "Scraps",
52   "type" => "Iguana",
53   "adoptable" => "false",
54   "admission_date" => "03-04-2017",
55   # "adopted_date" => "06-05-2017",
56   "photo_url" => "https://static.pexels.com/photos/325946/pexels-photo-325946.jpeg",
57   "owner_id" => owner1.id
58 })
59 animal2.save()
60
61 # User seeds
62 user1 = User.new({
63   "name" => "volunteer",
64   "password" => "animals are the shiznit"
65 })
66 }
```