

Evidence Gathering Document for SQA Level 8 Professional Developer Award.

This document is designed for you to present your screenshots and diagrams relevant to the PDA and to also give a short description of what you are showing to clarify understanding for the assessor.

Each point that required details the Assessment Criteria (What you have to show) along with a brief description of the kind of things you should be showing.

Please fill in each point with screenshot or diagram and description of what you are showing.

Week 2 **Array & function using array**

Unit	Ref	Evidence
I&T	I.T.5	Demonstrate the use of an array in a program. Take screenshots of: *An array in a program *A function that uses the array *The result of the function running
		Description:

Paste Screenshot here

Image 1: Array_&function_using_array

```
1 stops = [ "Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket" ]
2
3 # 1.) Add "Edinburgh Waverley" to the end of the array
4 p stops.push("Edinburgh Waverley") #alternative: stop << "Edinburgh Waverley"
5
6 # 2.) Add "Glasgow Queen St" to the start of the array
7 p stops.unshift("Glasgow Queen Street") #alternative: stops.insert (0, insert)
8
9 # 3.) Add "Polmont" at the appropriate point (between "Falkirk High" and "Linlithgow")
10 p stops.insert(3, "Polmont") #alternative: stops.find_index("Linlithgow")
11
12 # # 4.) Work out the index position of "Linlithgow"
13 p index_position_linlithgow = stops.index("Linlithgow")
14
```

Image 2: Result of the function

```
λ $! command not found: exercise_a.rb
→ homework_day_03 git:(master) ✘ Ruby exercise_a.rb
→ homework_day_03 git:(master) ✘ Ruby exercise_a.rb
[["Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
[["Glasgow Queen Street", "Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
→ homework_day_03 git:(master) ✘ Ruby exercise_a.rb
[["Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
[["Glasgow Queen Street", "Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
[["Glasgow Queen Street", "Croy", "Cumbernauld", "Polmont", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
→ homework_day_03 git:(master) ✘ Ruby exercise_a.rb
[["Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
[["Glasgow Queen Street", "Croy", "Cumbernauld", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
[["Glasgow Queen Street", "Croy", "Cumbernauld", "Polmont", "Falkirk High", "Linlithgow", "Livingston", "Haymarket", "Edinburgh Waverly"]
5
```

Unit	Ref	Evidence
I&T	I.T.6	Demonstrate the use of a hash in a program. Take screenshots of: *A hash in a program *A function that uses the hash *The result of the function running
		Description:

Paste Screenshot here

Image 3: Hash in program

```
1 users = {
2   "Jonathan" => {
3     :twitter => "jonnyt",
4     :lottery_numbers => [6, 12, 49, 33, 45, 20],
5     :home_town => "Stirling",
6     :pets => [
7       {
8         :name => "fluffy",
9         :species => "cat"
10      },
11      {
12        :name => "fido",
13        :species => "dog"
14      },
15      {
16        :name => "spike",
17        :species => "dog"
18      }
19    ],
20  },
21  "Erik" => {
22    :twitter => "eriksf",
23    :lottery_numbers => [18, 34, 8, 11, 24],
24    :home_town => "Linlithgow",
25    :pets => [
26      {
27        :name => "nemo",
28        :species => "fish"
29      },
30      {
31
```

Image 3: Function using hash

```
56
57 # 1.) Get Jonathan's Twitter handle (i.e. the string "jonnnyt")
58 p users ["Jonathan"][:twitter] # alternative: p users.fetch_values("Jonathan")
59
60 # 2.) Get Erik's hometown
61 p users ["Erik"][:home_town]
62
63 # 3.) Get the array of Erik's lottery numbers
64 p users ["Erik"] [:lottery_numbers]
65
66 # 4.) Get the type of Avril's pet Monty
67 p users ["Avril"] [:pets] [0] [:species] # '[0]' because array referencing index brings back pet
68
69 # 5.) Get the smallest of Erik's lottery numbers
70 p users ["Erik"] [:lottery_numbers].min # arrays have a smallest number method, i.e. the one used here
71
72 # 6.) Return an array of Avril's lottery numbers that are even
73 p users ["Avril"] [:lottery_numbers].select { |num| num.even? }
74 =begin
75 alternative a:
76 even_numbers[]
77 for number in users ["Avril"] [lottery_numbers]
78 | even_numbers.push(number) if number even
79 end
80 =end
81 #alternative b): could have worked with '% = 0', i.e. remainder = 0, thus even
```

Image 4: Result of the function running

```
➔ homework_day_03 git:(master) ✘ Ruby exercise_b.rb
"jonnnyt"
"Linlithgow"
[18, 34, 8, 11, 24]
"snake"
8
[12, 14, 38]
[18, 34, 8, 11, 24, 7]
"Edinburgh"
```

Week 3

Unit	Ref	Evidence
I&T	I.T.3	Demonstrate searching data in a program. Take screenshots of: *Function that searches data *The result of the function running
		Description:

Paste Screenshot here

Image 5: Function that searches data

```
def films()
    sql = "SELECT films.* FROM films INNER JOIN tickets ON
    films.id = tickets.film_id WHERE tickets.customer_id = $1"
    values = [@id]
    films = SqlRunner.run(sql, values)
    return films.map { |result| Film.new(result)}
end
```

Image 6: Result of the function running

```
[ccc=# SELECT films.* FROM films INNER JOIN tickets ON films.id = tickets.film_id WHERE tickets.customer_id = 12;
 id |      film_title      | film_price
---+-----+-----+
 10 | Avengers: Infinity War |      10
(1 row)
```

Unit	Ref	Evidence
I&T	I.T.4	Demonstrate sorting data in a program. Take screenshots of: *Function that sorts data *The result of the function running
		Description:

Paste Screenshot here

Image 7: Function that sorts data

```
def sort()
    sql = "SELECT * FROM stars ORDER BY last_name
DESC"
    values = [@id]
    stars = SqlRunner.run(sql, values)
    return stars.map { |star| Star.new(star) }
end
```

Image 8: Result of the function running

```
[imdb=# SELECT * FROM stars ORDER BY last_name DESC;
 id | first_name | last_name
----+-----+-----
 61 | John       | Wayne
 63 | Randolph   | Scott
 62 | Clint      | Eastwood
(3 rows)

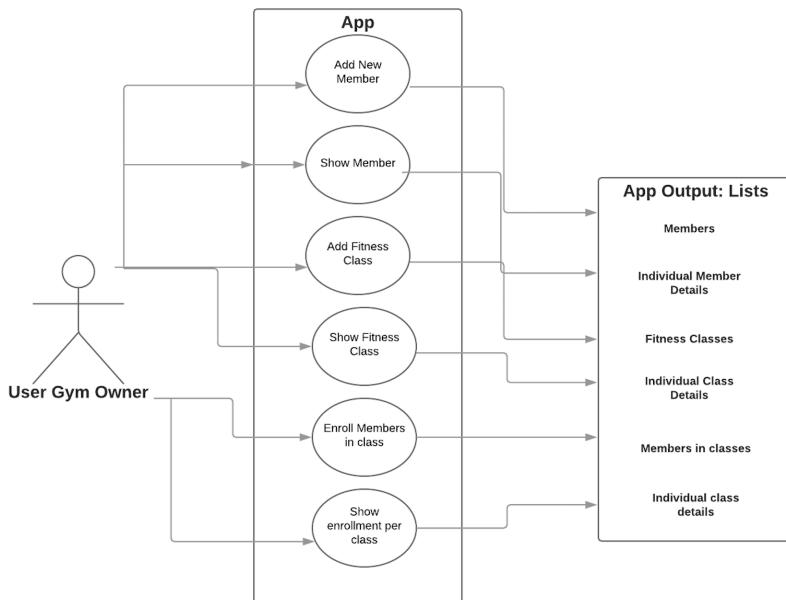
[imdb=# SELECT * FROM stars ORDER BY last_name DESC;
 id | first_name | last_name
----+-----+-----
 61 | John       | Wayne
 63 | Randolph   | Scott
 62 | Clint      | Eastwood
(3 rows)

[imdb=# SELECT * FROM stars ORDER BY last_name;
 id | first_name | last_name
----+-----+-----
 62 | Clint      | Eastwood
 63 | Randolph   | Scott
 61 | John       | Wayne
(3 rows)
```

Week 5 and 6

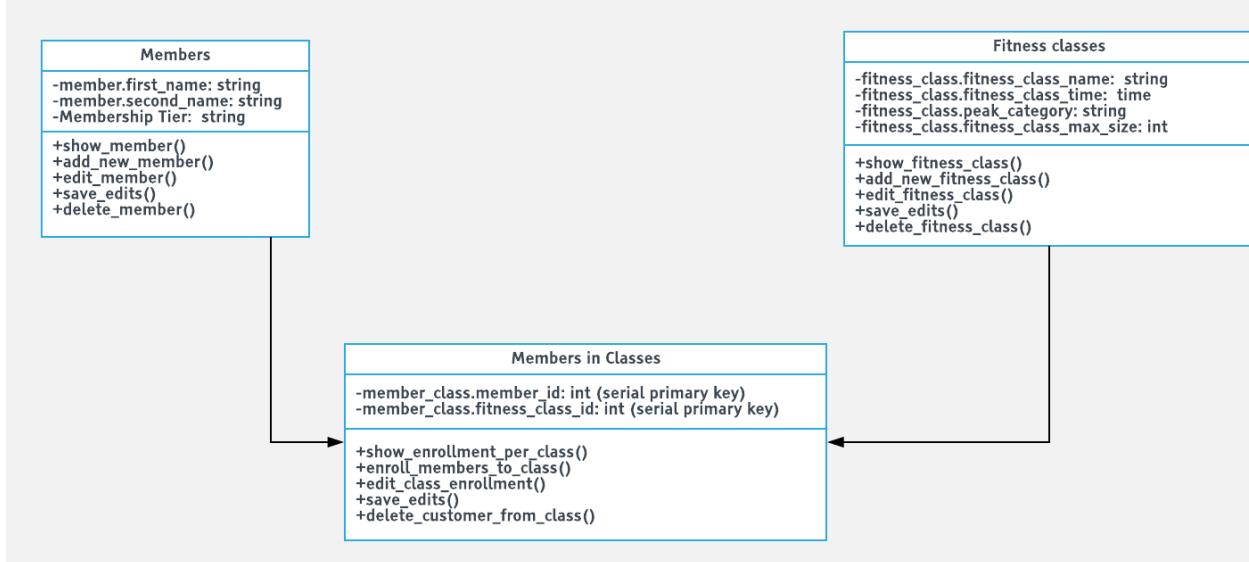
Unit	Ref	Evidence
A&D	A.D.1	A Use Case Diagram
		Description:

Paste Screenshot here



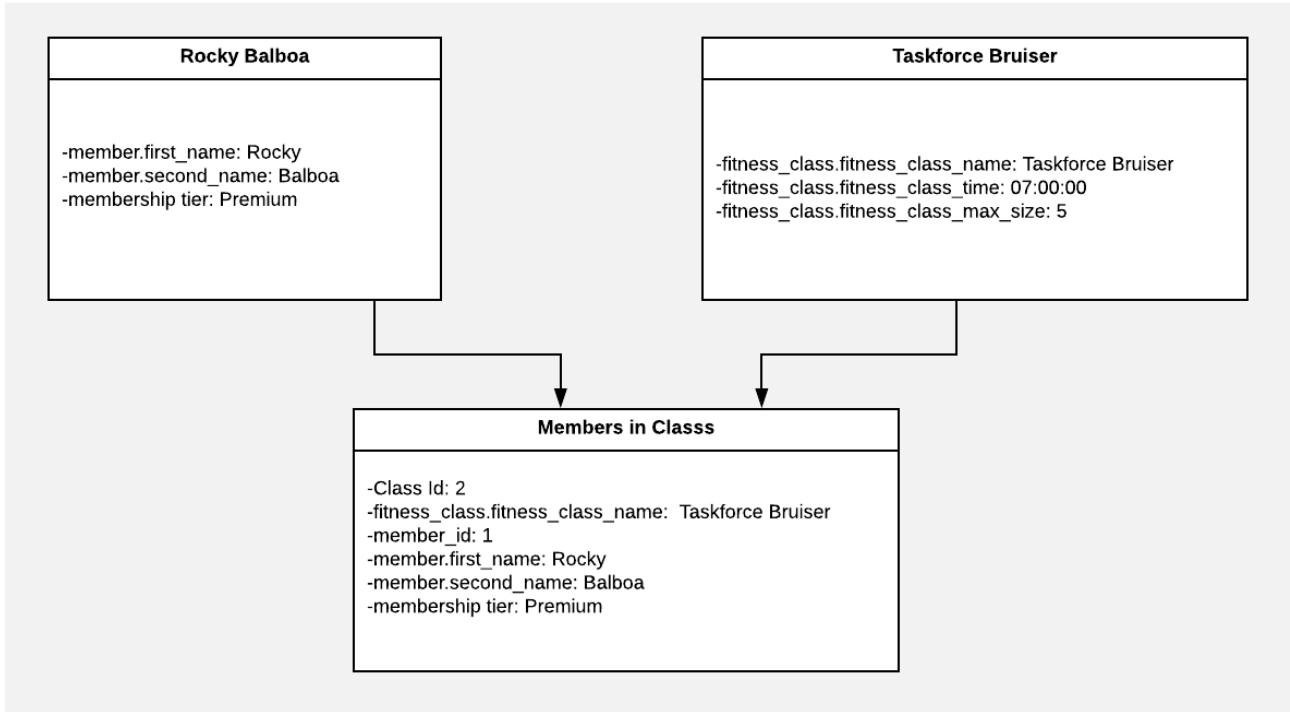
Unit	Ref	Evidence
A&D	A.D.2	A Class Diagram
		Description:

Paste Screenshot here



Unit	Ref	Evidence
A&D	A.D.3	An Object Diagram
		Description:

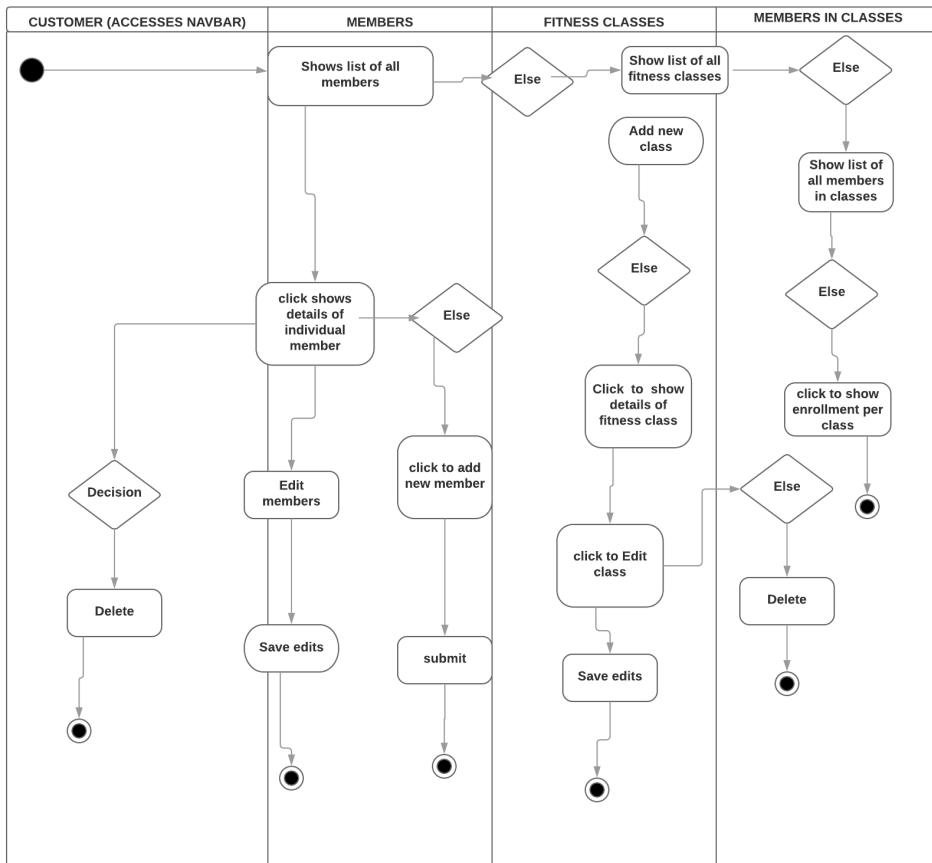
Paste Screenshot here



Unit	Ref	Evidence
A&D	A.D.4	An Activity Diagram
		Description:

Paste Screenshot here

ACTIVITY DIAGRAM GYM APP christian.geib79@gmail.com | September 16,



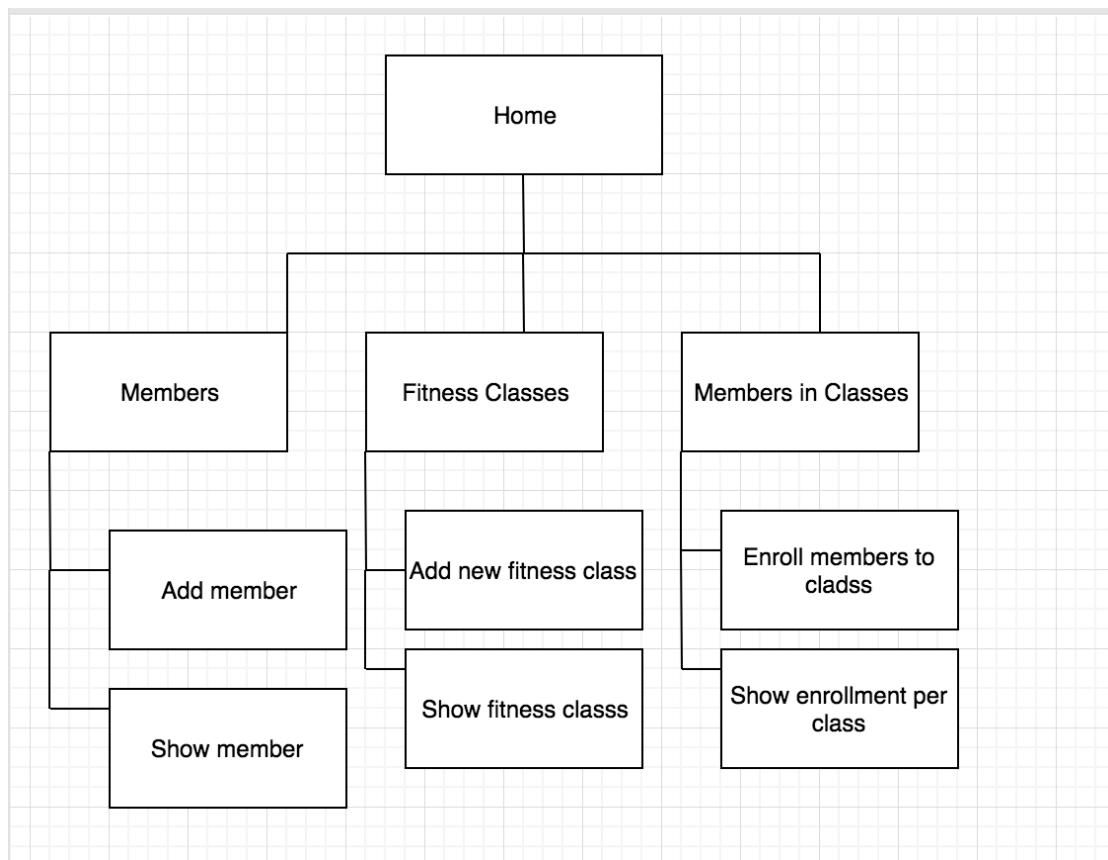
Unit	Ref	Evidence
A&D	A.D.6	Produce an Implementations Constraints plan detailing the following factors: *Hardware and software platforms *Performance requirements *Persistent storage and transactions *Usability *Budgets *Time
		Description:

Topic	Possible Effect of Constraint of Product	Solution
Hardware and software platforms	<ul style="list-style-type: none"> -system/programming language chosen may perform differently on different hardware/software platforms 	<ul style="list-style-type: none"> -select a programming language such as python that runs cross-platform on Mac and Windows alike
Performance requirements	<ul style="list-style-type: none"> -Latency/response time should be minimal for the tool to gain acceptance 	<ul style="list-style-type: none"> -design code that it runs as few iterations as possible and try to use local storage instead of needing to connect to database for every query
Persistent storage and transactions	<ul style="list-style-type: none"> -choosing suboptimal data format and database system could create slow system performance and high costs for storage/server space 	<ul style="list-style-type: none"> -choose data format that minimises data size and makes it as interoperable as possible
Usability	<ul style="list-style-type: none"> Complicated UI/UX might lead to fallacious input and or abandoned transactions 	<ul style="list-style-type: none"> Carefully consider the user proto personas and plan the user journey in order to simplify the user journey/interaction as simple/seamless as possible
Budgets	<ul style="list-style-type: none"> -While some software solutions may be preferable from a technical perspective, they may be too expensive (e.g. licensing costs) -choosing suboptimal data format can lead to unnecessarily high costs 	<ul style="list-style-type: none"> -if possible choose open source solutions
Time	<ul style="list-style-type: none"> Certain extensions/“nice to have” features might take too much time to implement within the time allocated to a project 	<ul style="list-style-type: none"> Implement a MOSCOW structure and prioritise accordingly

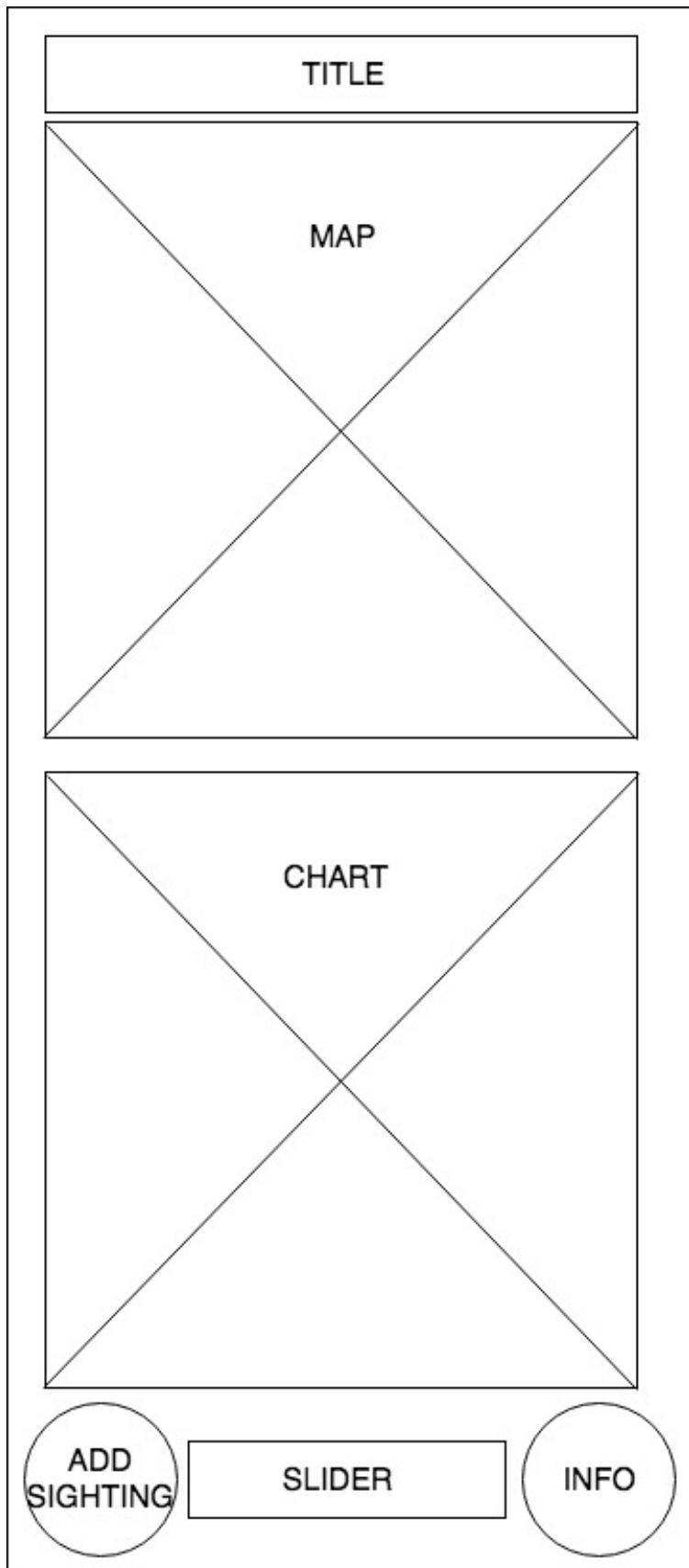
Paste Screenshot here

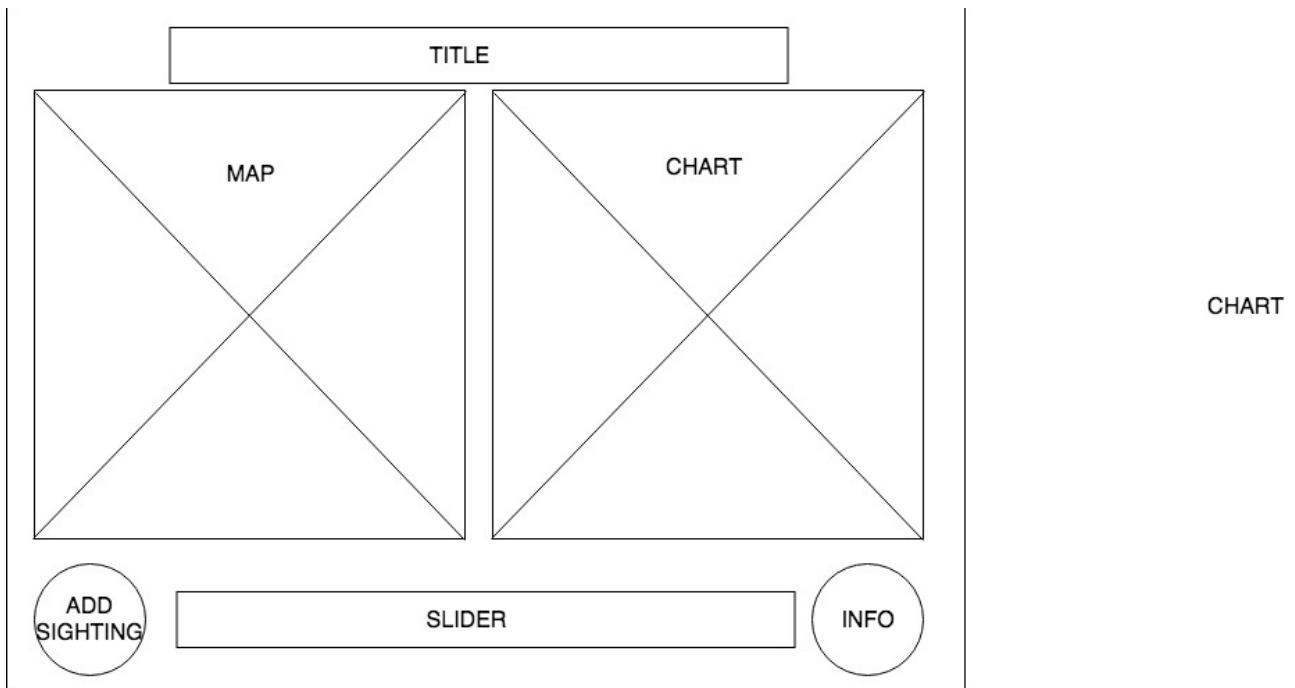
Unit	Ref	Evidence
P	P.5	User Site Map
		Description:

Paste Screenshot here



Unit	Ref	Evidence
P	P.6	2 Wireframe Diagrams
		Description:





Paste Screenshot here

Unit	Ref	Evidence
P	P.10	Example of Pseudocode used for a method
		Description: Add new member method() //if button “click to add new member” clicked, reroute to /members/new //if “submit” button clicked, save all information entered, return message: “Full name was saved for...” AND show on /members page

Add new member method()

//if button “click to add new member” clicked, reroute to /members/new
 //if “submit” button clicked, save all information entered, return message: “Full name was saved for...” AND show on /members page

Paste Screenshot here

Unit	Ref	Evidence
P	P.13	Show user input being processed according to design requirements. Take a screenshot of: * The user inputting something into your program * The user input being saved or used in some way
		Description:

Paste Screenshot here

Members Fitness Classes Members in Classes

First Name **Second Name** **Enter Membership**

Tier:



Member name: Christian Geib

Membership Tier: Premium

[**Show member**](#)

Member name: Ivan Dravo

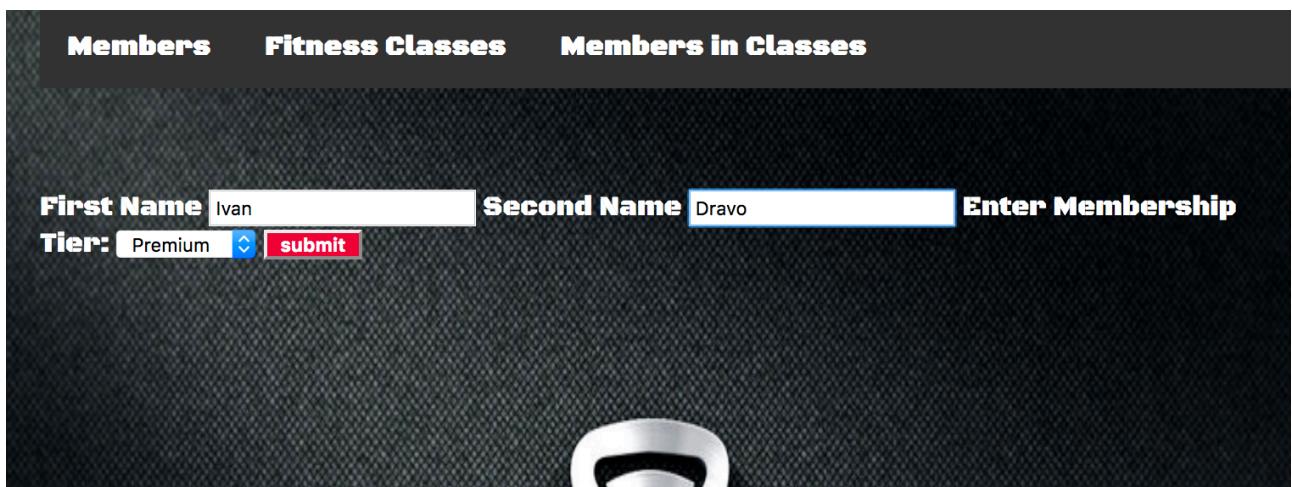
Membership Tier: Premium

[**Show member**](#)

Click here to add new member

Unit	Ref	Evidence
P	P.14	Show an interaction with data persistence. Take a screenshot of: * Data being inputted into your program * Confirmation of the data being saved
		Description:

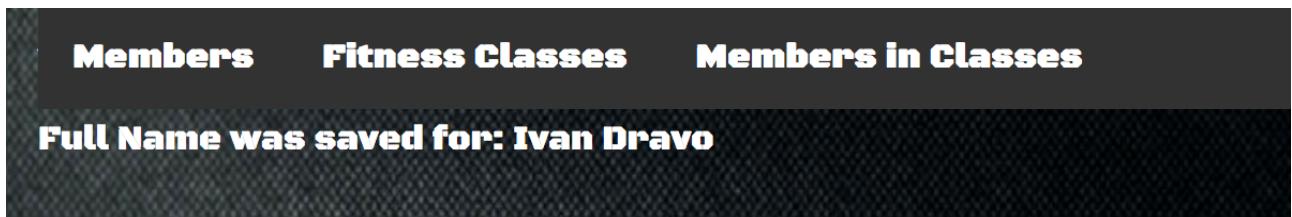
Paste Screenshot here



Members Fitness Classes Members in Classes

First Name Ivan **Second Name** Dravo **Enter Membership**

Tier: Premium **submit**

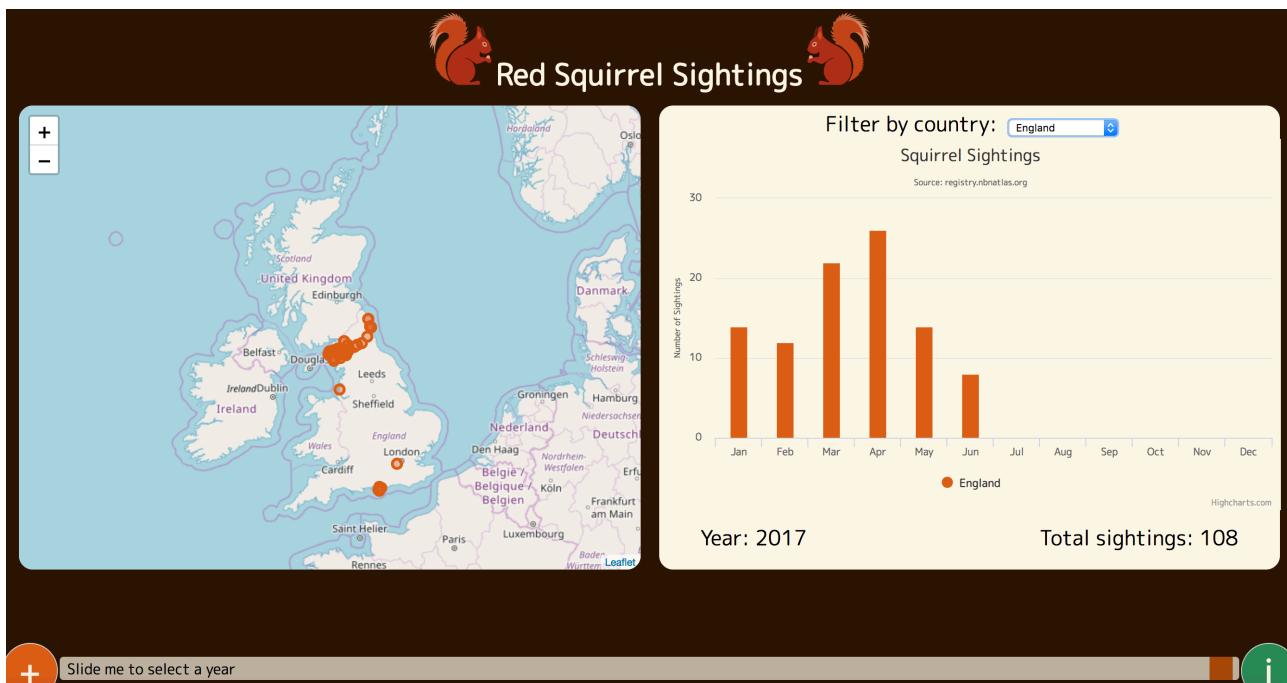
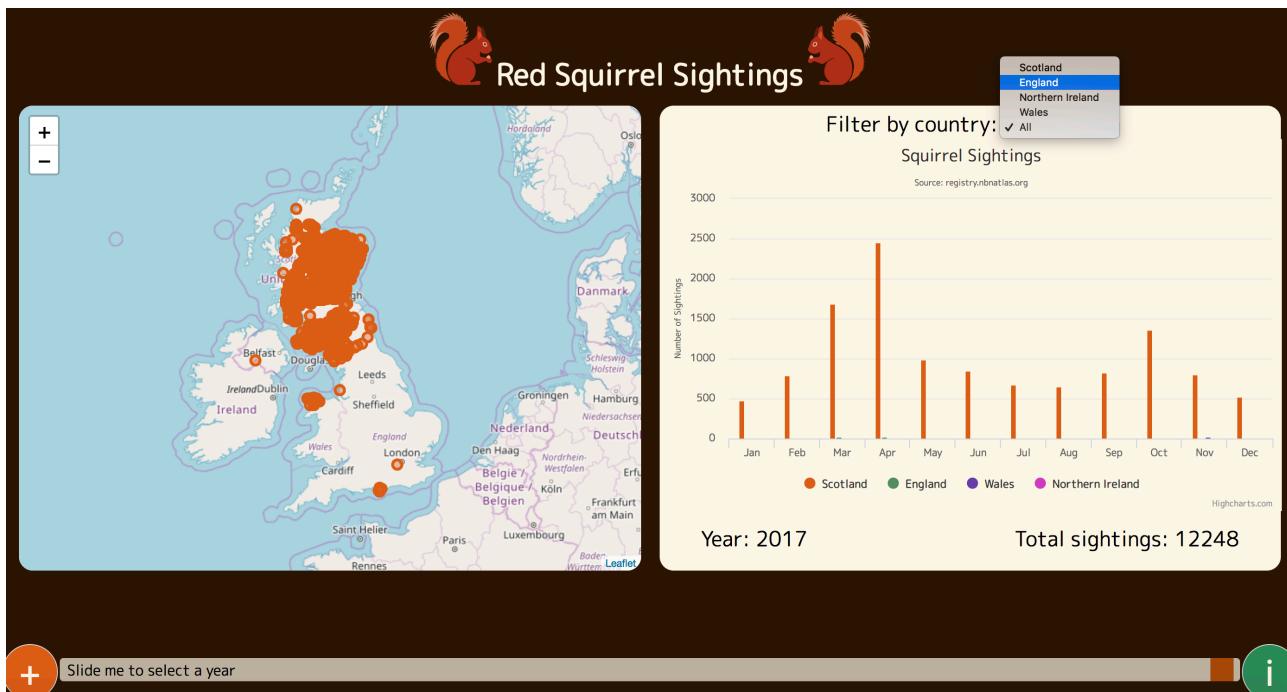


Members Fitness Classes Members in Classes

Full Name was saved for: Ivan Dravo

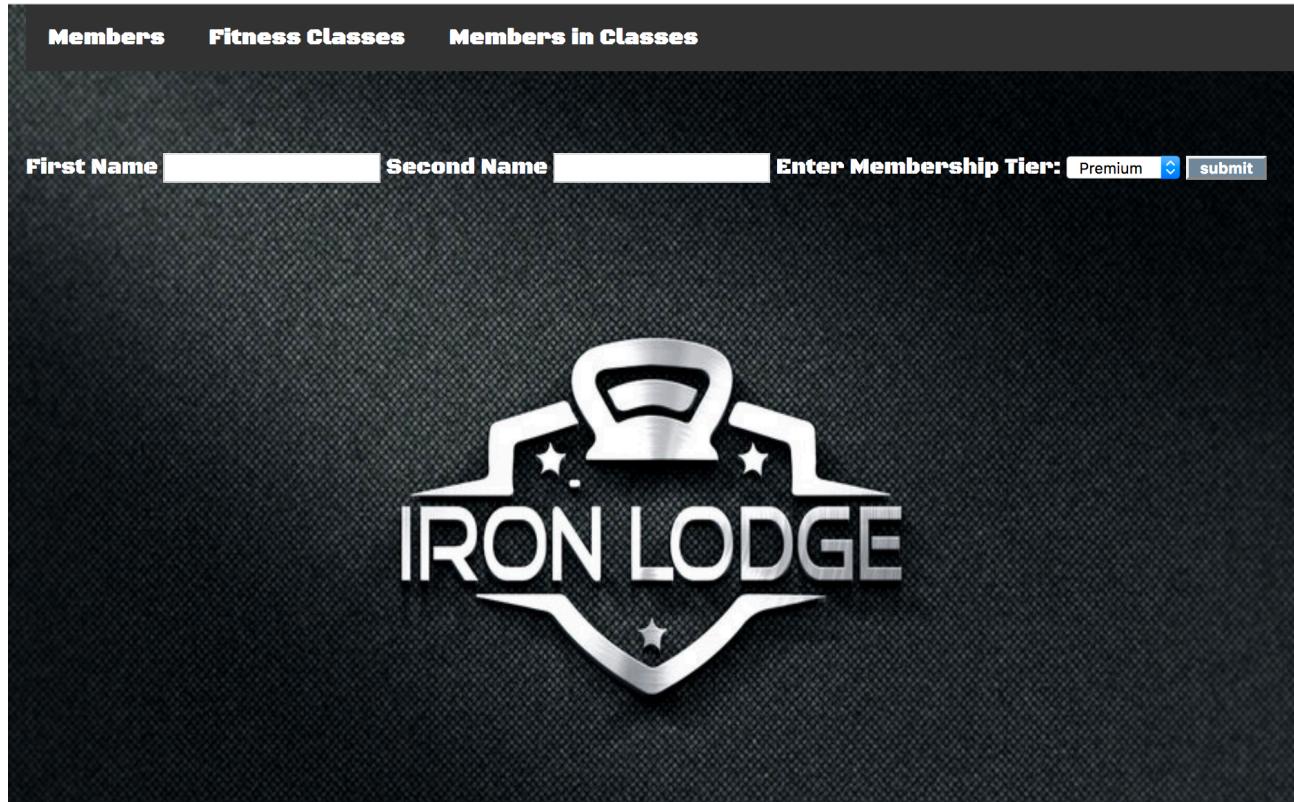
Unit	Ref	Evidence
P	P.15	Show the correct output of results and feedback to user. Take a screenshot of: * The user requesting information or an action to be performed * The user request being processed correctly and demonstrated in the program
		Description:

Paste Screenshot here



Unit	Ref	Evidence
P	P.11	Take a screenshot of one of your projects where you have worked alone and attach the Github link.
		Description:

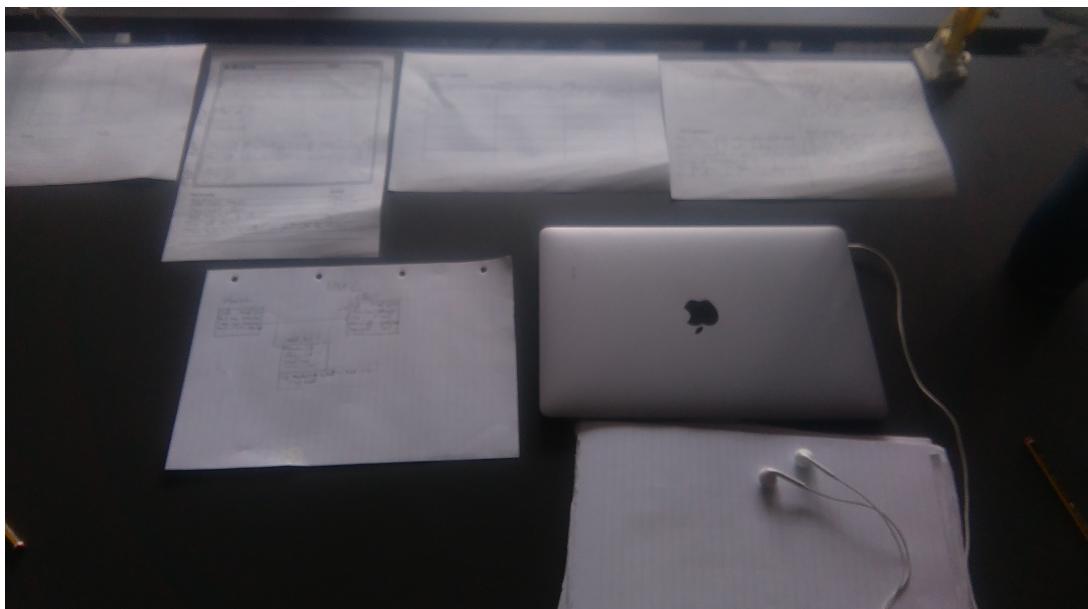
Paste Screenshot here



https://github.com/cgeib79/project week 4_gym app

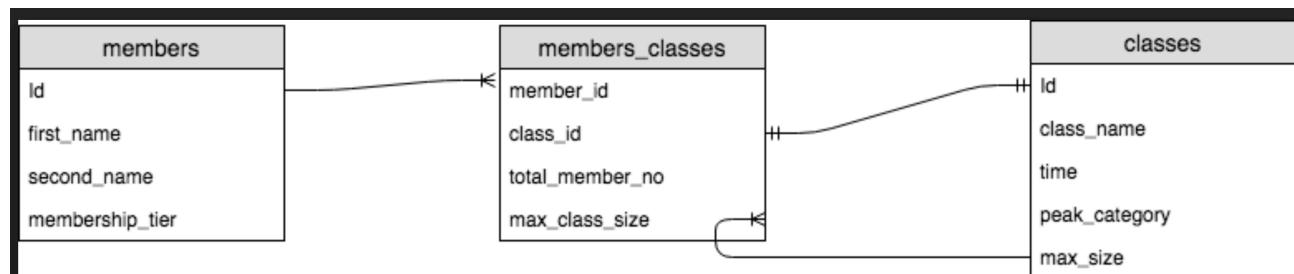
Unit	Ref	Evidence
P	P.12	Take screenshots or photos of your planning and the different stages of development to show changes.
		Description:

Paste Screenshot here



MOSCOW color key	Priority
M-UST	High Priority
S-HOULD	Should Do
C-OULD	Could Do
W-OULD	Would Do

Member	Class
id: SERIAL PRIMARY KEY first_name: String second_name: String membership_tier: String add_member() save_member() edit_member() add_member_to_class() show_members_in_class()	id: SERIAL PRIMARY KEY class_name: String class_name: TIME peak_category: String max_class_size: INT add_class() save_class() edit_class() show_list_all_class() if num members >= max_class_size stop add_members_to_class end



Week 7

Unit	Ref	Evidence
P	P.16	Show an API being used within your program. Take a screenshot of: * The code that uses or implements the API * The API being used by the program whilst running
		Description:

Paste Screenshot here



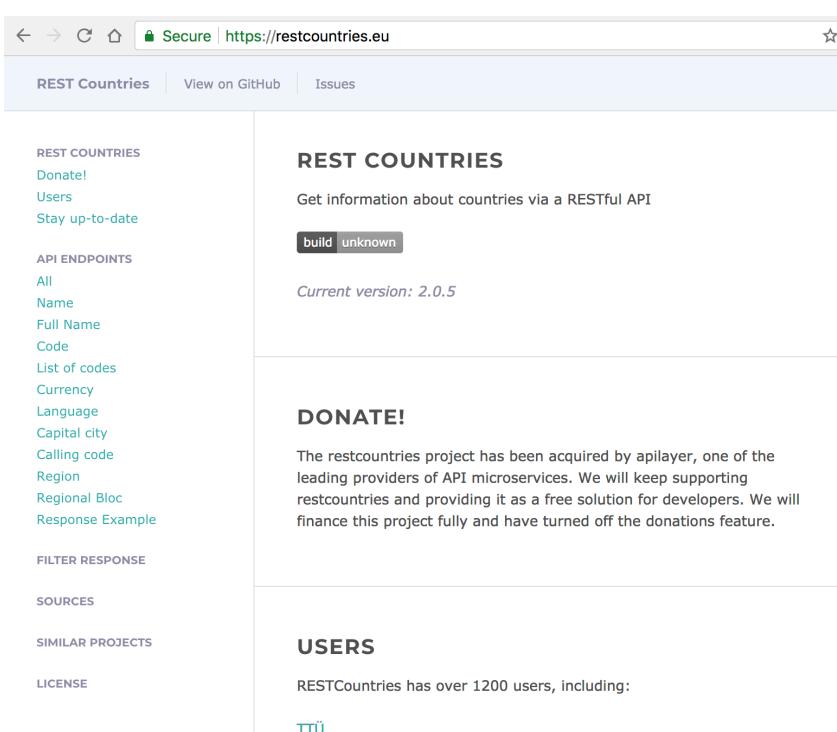
```

Project
bundle.js    pub_sub.js    request.js    countries.js    country_view.js    select_view.js
1 const Countries = require('./models/countries.js');
2 const SelectView = require('./views/select_view.js');
3 const CountryView = require('./views/country_view.js');

4
5 document.addEventListener('DOMContentLoaded', () => {
6   const selectElement = document.querySelector('select#countries');
7   const selectView = new SelectView(selectElement);
8   selectView.bindEvents();
9
10  const countryContainer = document.querySelector('#country');
11  const countryView = new CountryView(countryContainer);
12  countryView.bindEvents();
13
14  const countries = new Countries('https://restcountries.eu/rest/v2/all');
15  countries.bindEvents();
16  countries.getData();
17 });

```

<https://restcountries.eu/>



Secure | <https://restcountries.eu>

REST Countries | View on GitHub | Issues

REST COUNTRIES

[Donate!](#)

[Users](#)

[Stay up-to-date](#)

API ENDPOINTS

[All](#)

[Name](#)

[Full Name](#)

[Code](#)

[List of codes](#)

[Currency](#)

[Language](#)

[Capital city](#)

[Calling code](#)

[Region](#)

[Regional Bloc](#)

[Response Example](#)

FILTER RESPONSE

SOURCES

SIMILAR PROJECTS

LICENSE

REST COUNTRIES

Get information about countries via a RESTful API

[build](#) [unknown](#)

Current version: 2.0.5

DONATE!

The restcountries project has been acquired by apilayer, one of the leading providers of API microservices. We will keep supporting restcountries and providing it as a free solution for developers. We will finance this project fully and have turned off the donations feature.

USERS

RESTCountries has over 1200 users, including:

TTÜ

Unit	Ref	Evidence
P	P.18	<p>Demonstrate testing in your program. Take screenshots of:</p> <ul style="list-style-type: none"> * Example of test code * The test code failing to pass * Example of the test code once errors have been corrected * The test code passing
		Description:

Paste Screenshot here

Screenshot: 5th iteration - name error

```

testing_task_2_spec.rb -- ~/CodeClan_work/week_5/pda_homework
Project
  pda_homework
    .git
    screenshots
    specs
      .DS_Store
      testing_task_2_spec.rb
      .DS_Store
      card.rb
      Static_&_Dynamic_Testing.md
      testing_task_1.md
      testing_task_2.rb

card.rb
1   def
2     class Card
3       attr_reader
4         :suit, :value,
5         :name
6       def
7         initialize(suit,
8           value, name)
9         @suit = suit
10        @value = value
11        @name = name
12      end
13    end
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31

testing_task_2_spec.... testing_task_2.rb
test_checkforAc e()
#arrange
#act
result =
@game.checkfo rAce(@card1)
#assert
assert_equal(
true, result)
end

def
test_highest_ca rd()
#arrange
#act
result =
@game.highest _card(@card1,
@card2)
#assert
assert_equal(
"Queen",
"Queen")

Counting objects: 8, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 1.06 MiB | 8.33 MiB/s, done.
Total 8 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To github.com:christiangeib79/week_5_pda_tdd_homework.git
 * [new branch] master -> master
# pda_homework git:(master) git push
Everything up-to-date
* pda_homework git:(master) x ..
* week_5_pda_homework
* pda_homework git:(master) x specs
* pda_homework git:(master) x ruby_testing_task_2_spec.rb
testing_task_2_spec.rb:1:in `main': undefined method `require' for main:Object (NameError)
Did you mean? require
* specs git:(master) x ruby_testing_task_2_spec.rb
Run options: --seed 39615

# Running:
...
Finished in 0.000969s, 2063.9831 runs/s, 2063.9831 assertions/s.

2 runs, 2 assertions, 0 failures, 0 errors, 0 skips
* specs git:(master) x ruby_testing_task_2_spec.rb
Run options: --seed 23349

# Running:
...
Finished in 0.001074s, 1862.1969 runs/s, 1862.1969 assertions/s.

2 runs, 2 assertions, 0 failures, 0 errors, 0 skips
* specs git:(master) x ruby_testing_task_2_spec.rb
testing_task_2_spec.rb:1:in `main': uninitialized constant MiniTest::NameError
* specs git:(master) x ruby_testing_task_2_spec.rb
testing_task_2_spec.rb:1: syntax error, unexpected TIDENTIFIER, expecting END-of-Input
88 specs/testing_task_2_spec.rb

* specs git:(master) x ruby_testing_task_2_spec.rb
testing_task_2_spec.rb:34:in `<class>:TestCardGame>': undefined local variable or method `test_order' for TestCardGame:Class (NameError)
Did you mean? test_order
  from testing_task_2_spec.rb:4:in `main'
* spec git:(master) x ..
```

Screenshot: final fix in different file than testing file that made the test pass

```

testing_task_2.rb — ~/CodeClan_work/week_5/pda_homework
Project
  pda_homework
    .git
    screenshots
    specs
      .DS_Store
      testing_task_2_spec.rb
    .DS_Store
    card.rb
    Static_&_Dynamic_Testing.md
    testing_task_1.md
    testing_task_2.rb

card.rb
1 class Card
2   attr_reader
3     :suit, :value,
4     :name
5   def
6     initialize(suit,
7     value, name)
8       @suit = suit
9       @value = value
10      @name = name
11    end
12  end
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

testing_task_2_spec.rb
1 require('minitest/autorun')
2 require('minitest/rg')
3 require('pry')
4 require_relative('../testing_task_2.rb')
5 require_relative('../card.rb')
6
7 class TestCardGame < MiniTest::Test
8   def setup
9     @card1 =
10       Card.new("Clubs", 1,
11         "Ace");
12
13     @card2 =
14       Card.new("Clubs", 2,
15         "Queen");
16
17     @game = CardGame.new();
18
19     @cards = [@card1,
20       @card2];
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

testing_task_2.rb
1 return
2 card1.name
3 else
4   card2.name
5 end
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

specs — christiangeib@Christians-MacBook-Pro — zsh — 74x55
..omework/specs
.
.
.
Finished in 0.000969s, 2063.9831 runs/s, 2063.9831 assertions/s.
2 runs, 2 assertions, 0 failures, 0 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 23349

# Running:
.

.
.
.
Finished in 0.001074s, 1862.1969 runs/s, 1862.1969 assertions/s.
2 runs, 2 assertions, 0 failures, 0 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
testing_task_2_spec.rb:1:in `<main>': uninitialized constant MiniTest::NameError
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
testing_task_2_spec.rb:1: syntax error, unexpected tIDENTIFIER, expecting end-of-input
58 spec/testing_task_2_spec.rb

→ specs git:(master) ✘ ruby testing_task_2_spec.rb
testing_task_2_spec.rb:34:in `<class:TestCardGame>': undefined local variable or method `test_order` for TestCardGame<Class (NameError)
Did you mean? test_order
  from testing_task_2_spec.rb:4:in `<main>'
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 44763

# Running:
E..
.
.
.
Finished in 0.001409s, 2129.1692 runs/s, 1419.4462 assertions/s.
1) Error:
TestCardGame#test_cards_total:
NoMethodError: undefined method `cards_total' for #<CardGame:0x007fbeda02f1e8>
  testing_task_2_spec.rb:39:in `test_cards_total'

3 runs, 2 assertions, 0 failures, 1 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 2087

# Running:
.

.
.
.
Finished in 0.001055s, 2843.6022 runs/s, 2843.6022 assertions/s.
3 runs, 3 assertions, 0 failures, 0 errors, 0 skips
→ specs git:(master) ✘

```

Screenshot: final completed, passing test with previously failing tests

```

testing_task_2_spec.rb — ~/CodeClan_work/week_5/pda_homework
Project
  pda_homework
    .git
    screenshots
    specs
      .DS_Store
      testing_task_2_spec.rb
    .DS_Store
    card.rb
    Static_&_Dynamic_Testing.md
    testing_task_1.md
    testing_task_2.rb

card.rb
1 class Card
2   attr_reader :suit, :value,
3   :name
4   def initialize(suit, value,
5     name)
6     @suit = suit
7     @value = value
8     @name = name
9   end
10 end
11
12
13
14
15
16
17

testing_task_2_spec.rb
1 require('minitest/autorun')
2 require('minitest/rg')
3 require('pry')
4 require_relative('../testing_task_2.rb')
5 require_relative('../card.rb')
6
7 class TestCardGame < MiniTest::Test
8   def setup
9     @card1 =
10       Card.new("Clubs", 1,
11         "Ace");
12
13     @card2 =
14       Card.new("Clubs", 2,
15         "Queen");
16
17     @game = CardGame.new();
18
19     @cards = [@card1,
20       @card2];
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

testing_task_2.rb
1 require('minitest/autorun')
2 require('minitest/rg')
3 require('pry')
4 require_relative('../testing_task_2.rb')
5 require_relative('../card.rb')
6
7 class TestCardGame < MiniTest::Test
8   def setup
9     @card1 =
10       Card.new("Clubs", 1,
11         "Ace");
12
13     @card2 =
14       Card.new("Clubs", 2,
15         "Queen");
16
17     @game = CardGame.new();
18
19     @cards = [@card1,
20       @card2];
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

specs — christiangeib@Christians-MacBook-Pro — zsh — 74x55
..omework/specs
.
.
.
Finished in 0.001072s, 2798.5068 runs/s, 1865.6712 assertions/s.
1) Error:
TestCardGame#test_cards_total:
NoMethodError: undefined method `cards_total' for #<CardGame:0x007f8f12369a6d>
  testing_task_2_spec.rb:39:in `test_cards_total'

3 runs, 2 assertions, 0 failures, 1 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 16547

# Running:
E..
.
.
.
Finished in 0.000968s, 3099.1738 runs/s, 2066.1159 assertions/s.
1) Error:
TestCardGame#test_cards_total:
TypeError: no implicit conversion of Integer into String
  /Users/christiangeib/CodeClan_work/week_5/pda_homework/testing_task_2.rb:33:in `<*>'
  /Users/christiangeib/CodeClan_work/week_5/pda_homework/testing_task_2.rb:33:in `cards_total'
  testing_task_2_spec.rb:39:in `test_cards_total'

3 runs, 2 assertions, 0 failures, 1 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 5376

# Running:
E..
.
.
.
Finished in 0.001843s, 1627.7805 runs/s, 1627.7805 assertions/s.
1) Failure:
TestCardGame#test_cards_total [testing_task_2_spec.rb:40]:
Expected: "You have a total of 3"
  Actual: "You have a total of#{total}"

3 runs, 3 assertions, 1 failures, 0 errors, 0 skips
→ specs git:(master) ✘ ruby testing_task_2_spec.rb
Run options: --seed 31974

# Running:
.

.
.
.
Finished in 0.001337s, 2243.8292 runs/s, 2243.8292 assertions/s.
3 runs, 3 assertions, 0 failures, 0 errors, 0 skips
→ specs git:(master) ✘

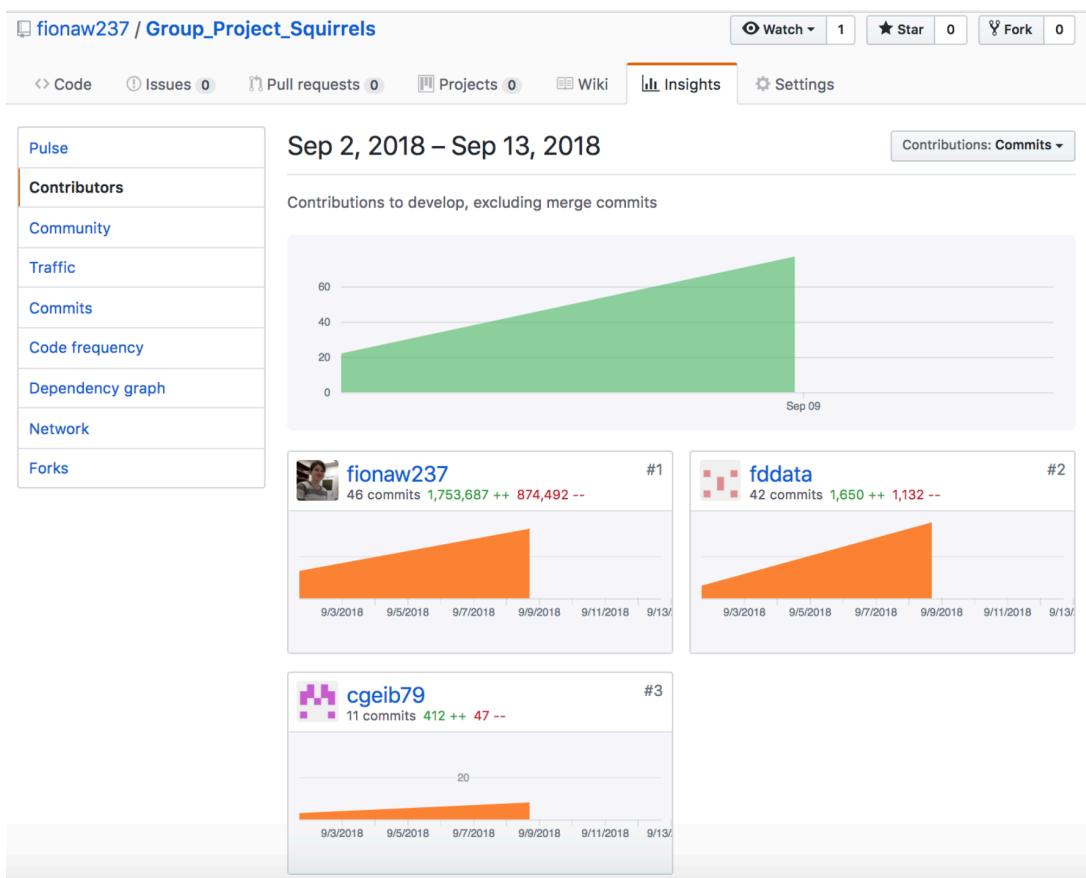
```

Week 9

Unit	Ref	Evidence
P	P.1	Take a screenshot of the contributor's page on Github from your group project to show the team you worked with.
		Description:

Paste Screenshot here

https://github.com/cgeib79/Group_Project_Squirrels



Unit	Ref	Evidence
P	P.2	Take a screenshot of the project brief from your group project.
		Description:

Paste Screenshot here

Introduction

Brief:
Educational App

The BBC are looking to improve their online offering of educational content by developing some interactive browser applications that display information in a fun and interesting way. Your task is to make an a Minimum Viable Product or prototype to put forward to them - this may only be for a small set of information, and may only showcase some of the features to be included in the final app.

MVP

A user should be able to:

- view some educational content on a particular topic
- be able to interact with the page to move through different sections of content

Example Extensions

- Use an API to bring in content or a database to store information.
- Use charts or maps to display your information to the page.

Unit	Ref	Evidence
P	P.3	Provide a screenshot of the planning you completed during your group project, e.g. Trello MOSCOW board.
		Description:

Paste Screenshot here

Trello Board - initially

MVP

- Product Backlog/ToDos
 - Display all sightings for 2017 on a map
 - Display information for a country by choosing from dropdown menu
 - Display information on red squirrels (multimedia)
 - User should be able to add own sightings and name

EXTENSIONS

- Add popup with sighting info when circle on map is clicked
- Make the app fully responsive
- Cycle through/display trends over different years (using slider)
- After user submits sighting, home screen changes centred on selected location
- Offer ability to add user id and get badges (and delete/update own entries)
- Display the data by clicking on country on the map

Trello Board - now

MOSCOW color key

- M-UST
- S-HOULD
- C-OULD
- W-OULD
- + Add another card

Product Backlog/ToDos

- After user submits sighting, home screen changes centred on selected location
- Offer ability to add user id and get badges (and delete/update own entries)
- Display the data by clicking on country on the map
- + Add another card

In Test

- Make the app fully responsive
- + Add another card

Done

- Display all sightings for 2017 on a map
- Display information for a country by choosing from dropdown menu
- User should be able to add own sightings and name
- Display information on red squirrels (multimedia)
- Add popup with sighting info when circle on map is clicked
- Cycle through/display trends over different years (using slider)
- + Add another card

Unit	Ref	Evidence
P	P.4	Write an acceptance criteria and test plan.

Paste Screenshot here

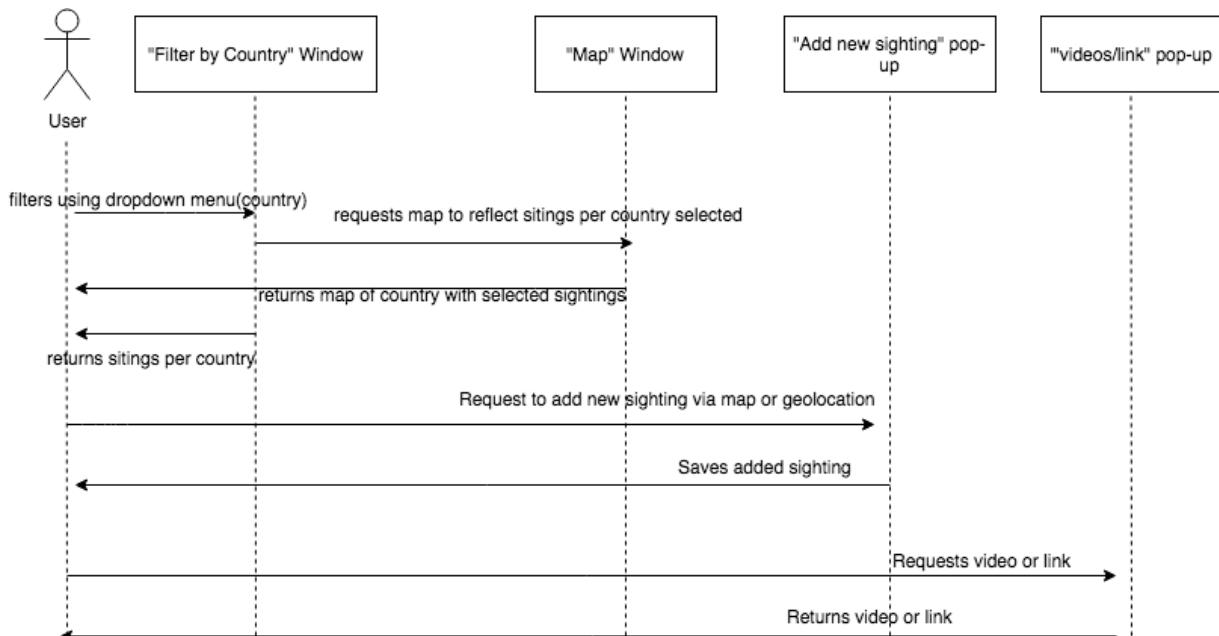
Acceptance Criteria/Acceptance Test Plan

Acceptance Criteria	Expected Result/Output	Pass/Fail
User is able to filter chart diagram by country	Charts change when dropdown menu button selected	Pass
Map synchronising with the chart	If, e.g. England selected on dropdown menu in the chart window, map on the left only display England sightings	Pass
Right ‘i’ button click opens video/link pop-up	If right “i” button clicked, video/link pop-up opens	Pass
Left “+” button click opens pop-up	If left “+” button clicked, opens the “add sighting” pop-up	Pass
User can click on map in “add sighting” pop-up	User can click on map in add sighting” pop-up and save that location	Pass
In “add sighting” pop-up user can click on ‘locate me’ button	User clicks on “locate me” button, position on map is returned and saved by clicking the “save” button	Pass

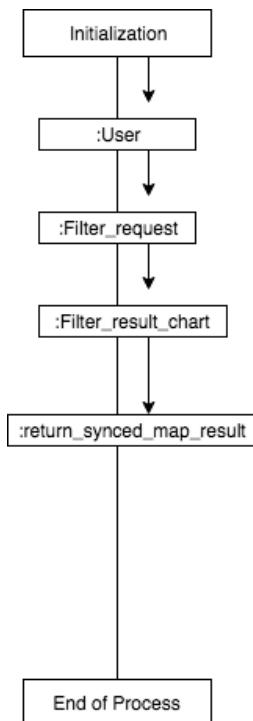
Unit	Ref	Evidence
P	P.7	Produce two system interaction diagrams (sequence and/or collaboration diagrams).
		Description:

Paste Screenshot here

Sequence Diagram

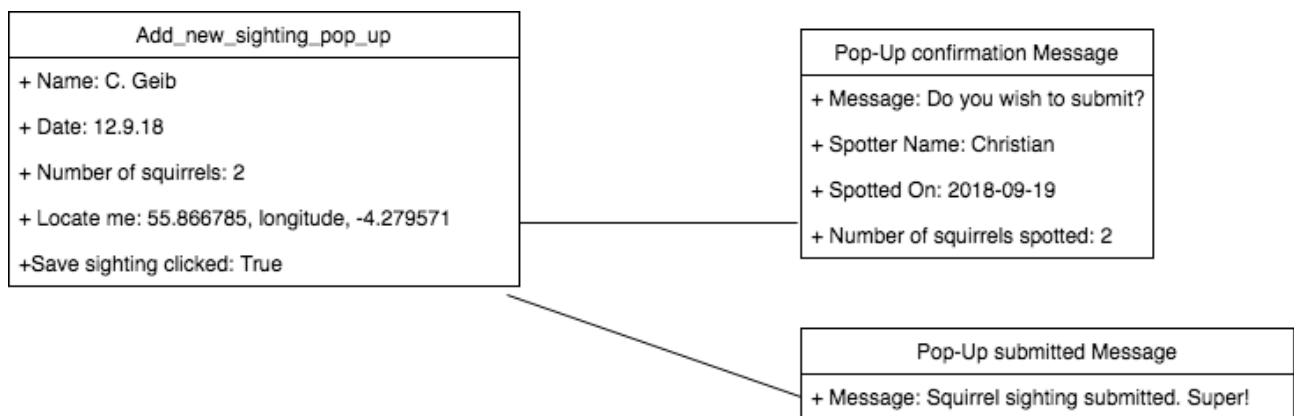
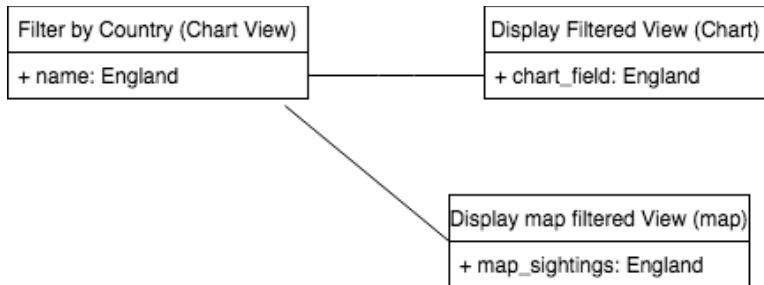


Collaboration Diagram



Unit	Ref	Evidence
P	P.8	Produce two object diagrams.
		Description:

Paste Screenshot here



Unit	Ref	Evidence
P	P.17	Produce a bug tracking report
		Description:

Paste Screenshot here

Requirements	Pass/Failed	Solution	Pass Failed
Add data from JSON file to database	Failed - problem with "insertMany" command in MongoDB	Used 'mongoimport' command in terminal	Pass
If a country is chosen from dropdown then the slider is used, all the data for the new year is shown instead of the data for the chosen country	Failed	Call getPlottingData function when either a country is chosen from the dropdown, or a new year is chosen from the slider	Pass

Week 12

Unit	Ref	Evidence
I&T	I.T.7	The use of Polymorphism in a program and what it is doing.
		Description:

Paste Screenshot here

Unit	Ref	Evidence
A&D	A.D.5	An Inheritance Diagram
		Description:

Paste Screenshot here

Unit	Ref	Evidence
I&T	I.T.1	The use of Encapsulation in a program and what it is doing.
		Description:

Paste Screenshot here

Unit	Ref	Evidence
I&T	I.T.2	Take a screenshot of the use of Inheritance in a program. Take screenshots of: *A Class *A Class that inherits from the previous class *An Object in the inherited class *A Method that uses the information inherited from another class.
		Description:

Paste Screenshot here

Unit	Ref	Evidence
P	P.9	Select two algorithms you have written (NOT the group project). Take a screenshot of each and write a short statement on why you have chosen to use those algorithms.
		Description:

[Paste Screenshot here](#)