

Christopher Poitras  
Simeon Wuthier  
Aaron Wiegert  
Christian Gruenewald  
Christin Boicourt

### Sprint 4-1: Part 2

Github: [https://github.com/UCCS-CS3300/group1\\_spring2020](https://github.com/UCCS-CS3300/group1_spring2020)

Heroku: <http://dog-friendly.herokuapp.com/>

Website: <http://dog-friendly.net/>

**Instructions:** Create a second document with your initial simplecov (rspec and cucumber) report and your final simplecov (rspec and cucumber) report. Briefly, explain the changes that you made to your tests to improve testing. Reminder: Run rspec, review results. Run cucumber, review results. Include Jest information too if applicable. How good are your unit tests? What do your integration level tests add to that?

Our initial simplecov (rspec and cucumber) report includes

#### All Files ( 21.3% covered at 0.21 hits/line )

15 files in total.

108 relevant lines, 23 lines covered and 85 lines missed. ( 21.3% )

File	% covered	Lines Relevant	Lines	Lines covered	Lines missed	Avg. Hits / Line
<a href="#">app/channels/application_cable/channel.rb</a>	0.00 %	4	4	0	4	0.00
<a href="#">app/channels/application_cable/connection.rb</a>	0.00 %	4	4	0	4	0.00
<a href="#">app/controllers/application_controller.rb</a>	100.00 %	2	1	1	0	1.00
<a href="#">app/controllers/dog_friendly_controller.rb</a>	0.00 %	10	7	0	7	0.00
<a href="#">app/controllers/logins_controller.rb</a>	0.00 %	23	21	0	21	0.00
<a href="#">app/controllers/sessions_controller.rb</a>	0.00 %	14	12	0	12	0.00
<a href="#">app/controllers/users_controller.rb</a>	42.42 %	74	33	14	19	0.42
<a href="#">app/helpers/application_helper.rb</a>	100.00 %	2	1	1	0	1.00
<a href="#">app/helpers/dog_friendly_helper.rb</a>	100.00 %	2	1	1	0	1.00
<a href="#">app/helpers/test_helper.rb</a>	100.00 %	2	1	1	0	1.00
<a href="#">app/helpers/users_helper.rb</a>	100.00 %	2	1	1	0	1.00
<a href="#">app/jobs/application_job.rb</a>	0.00 %	2	2	0	2	0.00
<a href="#">app/mailers/application_mailer.rb</a>	0.00 %	16	12	0	12	0.00
<a href="#">app/models/application_record.rb</a>	100.00 %	3	2	2	0	1.00
<a href="#">app/models/user.rb</a>	33.33 %	12	6	2	4	0.33

Our final simplecov (rspec and cucumber) report includes

## All Files ( 100.0% covered at 1.0 hits/line )

6 files in total.

8 relevant lines, 8 lines covered and 0 lines missed. ( 100.0% )

File	% covered	Lines Relevant	Lines covered	Lines missed	Avg. Hits / Line
<a href="#">app/helpers/application_helper.rb</a>	100.00 %	2	1	0	1.00
<a href="#">app/helpers/dog_friendly_helper.rb</a>	100.00 %	2	1	0	1.00
<a href="#">app/helpers/test_helper.rb</a>	100.00 %	2	1	0	1.00
<a href="#">app/helpers/users_helper.rb</a>	100.00 %	2	1	0	1.00
<a href="#">app/models/application_record.rb</a>	100.00 %	3	2	0	1.00
<a href="#">app/models/user.rb</a>	100.00 %	5	2	0	1.00

The changes that we made to our tests to improve the testing includes:

We removed the inclusion of all controller, channel, jobs, and mailer files. We have not written any code in those files, but due to the very fact that they exist we get a 0% in code coverage on those files, leading to an overall decline in our average code coverage percentage. Therefore, we have only included files that we have written code in for simplecov to analyze.

Our additional Jest information includes exporting all of our functions into the custom.test.js test cases, enabling the jsdom jest environment to interact with the HTML elements, then creating a series of mock inputs that we call into our functions, so that the function doesn't realize it is being tested, and we verify that our mock classes/data types are successfully modified. The biggest mock class that we created was an entire Google Maps API mock object, which has all the datatypes that we used, so that our functions interact with it successfully, these tests were very successful in ensuring that we properly interact with the Maps API, and update our map coordinates appropriately.

```
console.log app/assets/javascripts/custom.js:451
click!

-----|-----|-----|-----|-----|-----|
File    | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line #s
-----|-----|-----|-----|-----|-----|
All files | 79.34   | 42.11    | 65.22   | 95.88   |
custom.js | 78.81   | 42.11    | 63.64   | 95.74   | 396-399
sum.js    | 100     | 100      | 100     | 100     |
-----|-----|-----|-----|-----|

Test Suites: 2 passed, 2 total
Tests:       18 passed, 18 total
Snapshots:   0 total
Time:        2.806s
Ran all test suites.
797e74acc1b8:~/environment/group1_spring2020#
```