Test Report

COCO
CUMBI

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UC1: Registration

Test Case 1 – Correctly signs up user

Outcome: successful.

Test Case 2 – One or multiple fields are missing

Outcome: successful.

(The test was performed leaving the surname field blank.)
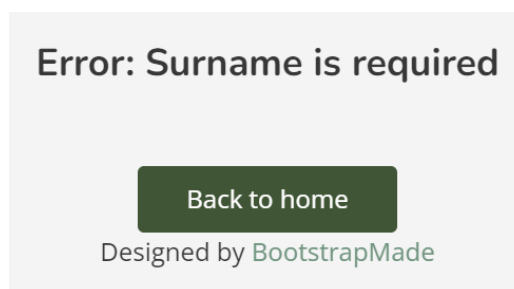
Test Case 3 – Wrong e-mail domain

Outcome: successful.
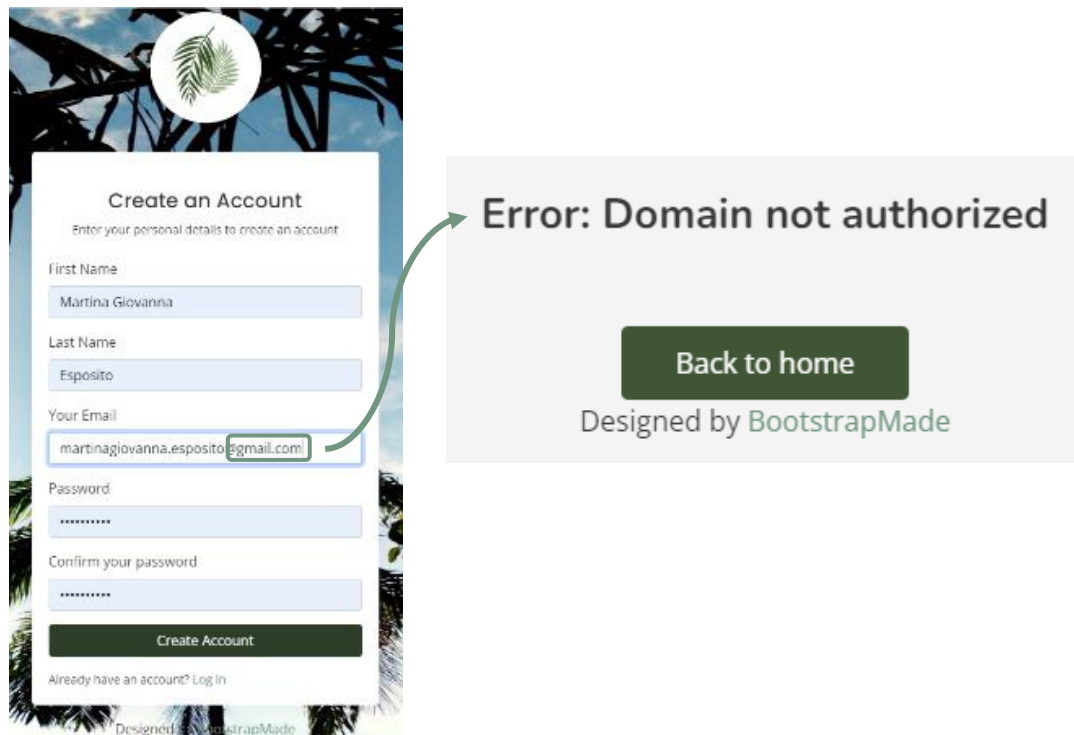
Test Case 4 – Password doesn't respect the criteria

Outcome: successful.
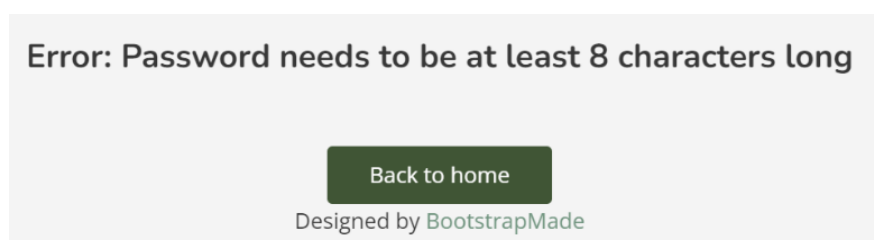
Test Case 5 – Password and confirmation don't match

Outcome: successful.
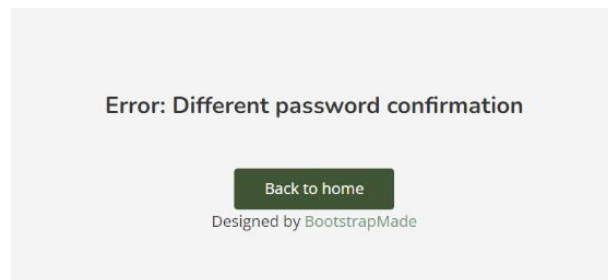
UC2: Logs in

Test Case 1 – User correctly logs in

Outcome: successful.
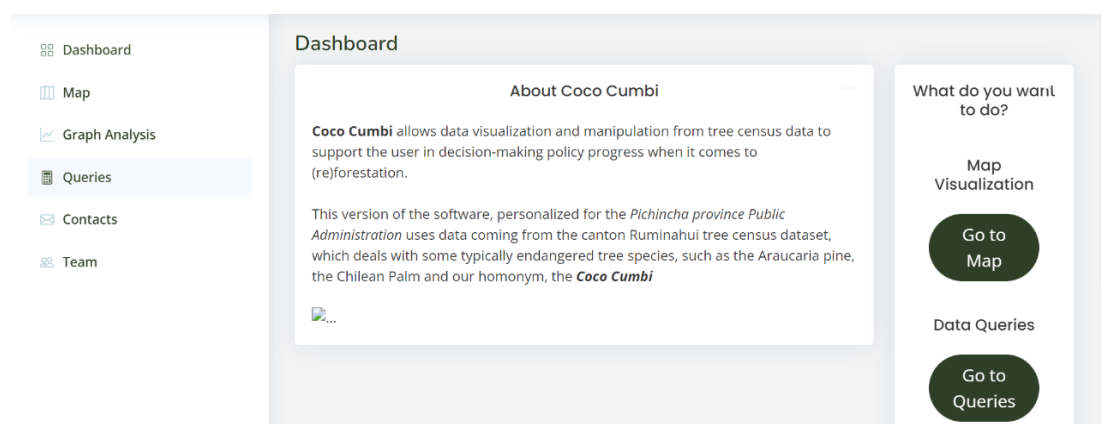
Test Case 2 – User is not registered

Outcome: successful.
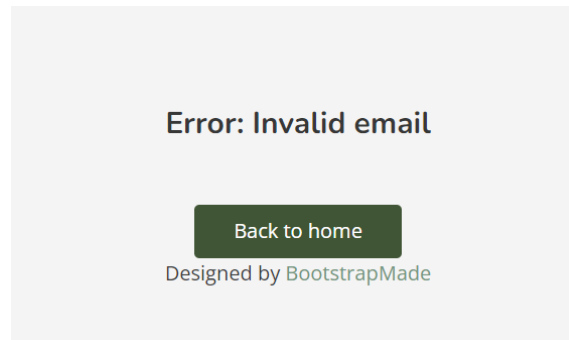
Test Case 3 – User makes a mistake while filling a field

Outcome: successful.

(The test was performed using an incorrect password.)

UC3: Homepage Navigation

Test Case 1 – Navigation in the page works

Outcome: successful.
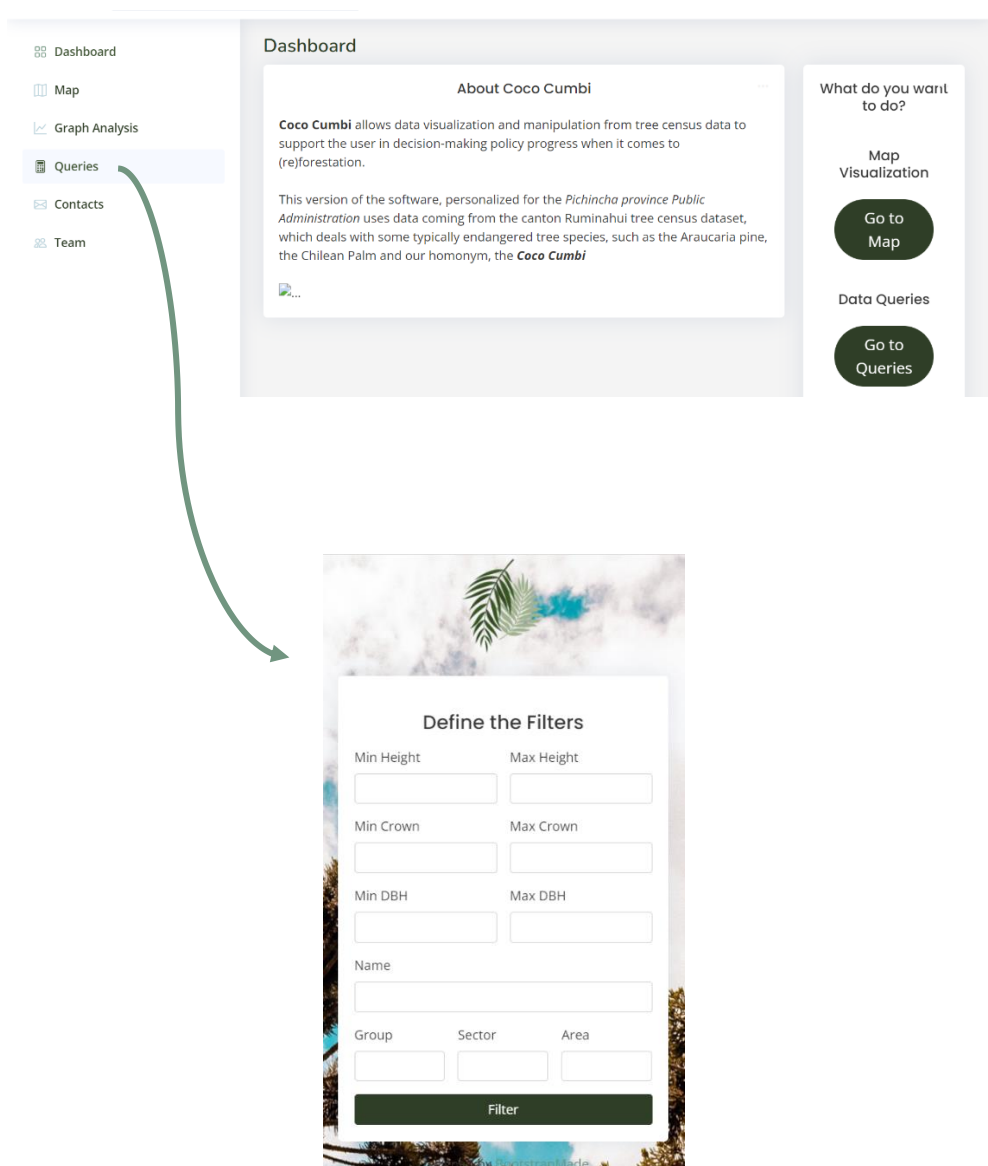
UC4: Data Request/Query

Test Case 1 – Querying correctly

Outcome: successful.

Test Case 2 – Querying does not allow for data visualization

Outcome: successful.

UC5: Plot Analysis & Visualization

Test Case 1: User correctly visualizes bar plot

Outcome: successful.

UC6: Log out

Test Case 1 – User correctly logs out

Outcome: successful.

UC7: Query Representation

Test Case 1 – User correctly visualizes data

Outcome: successful.

Metrics and Stats

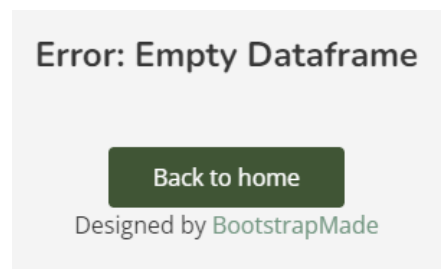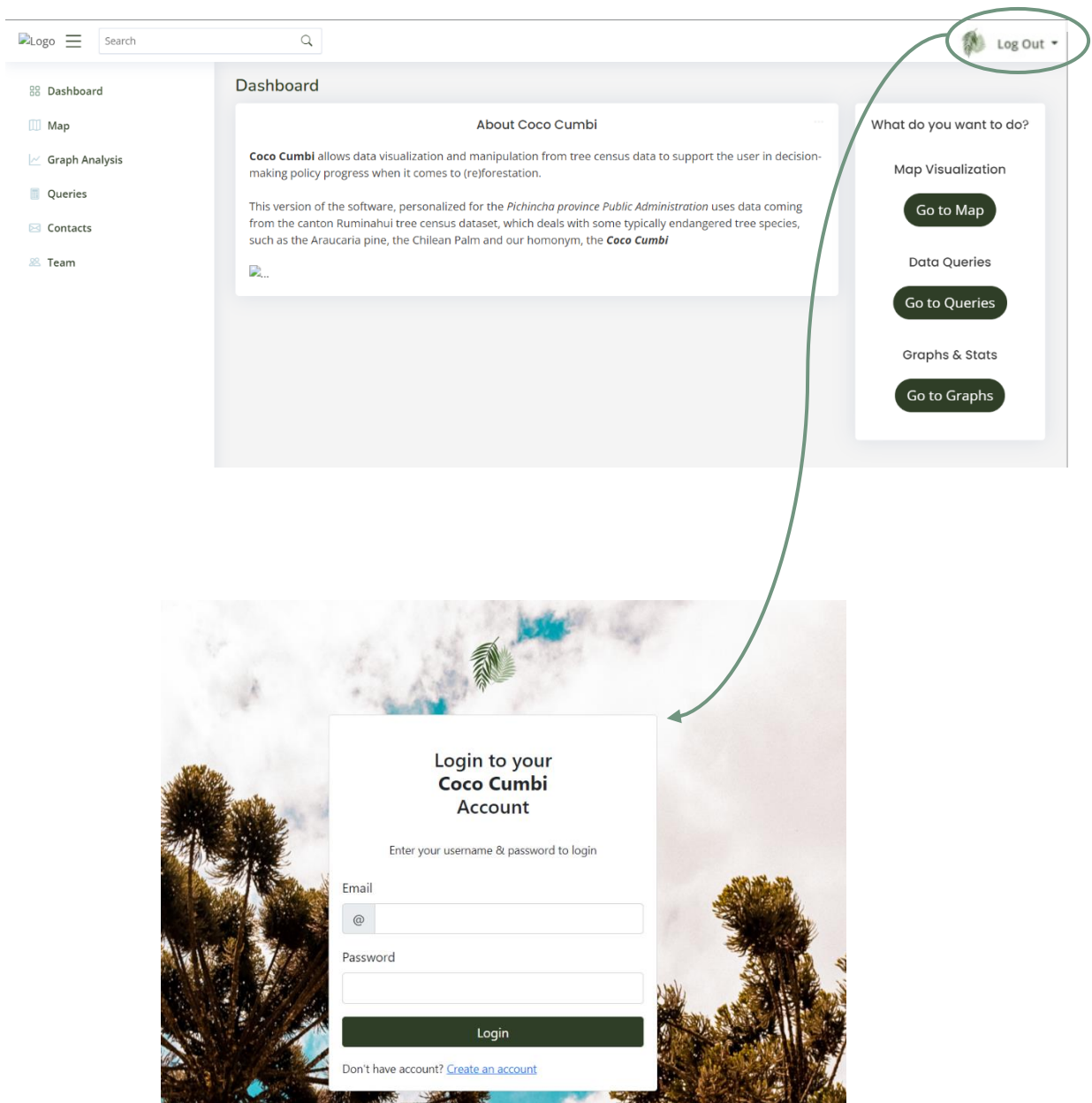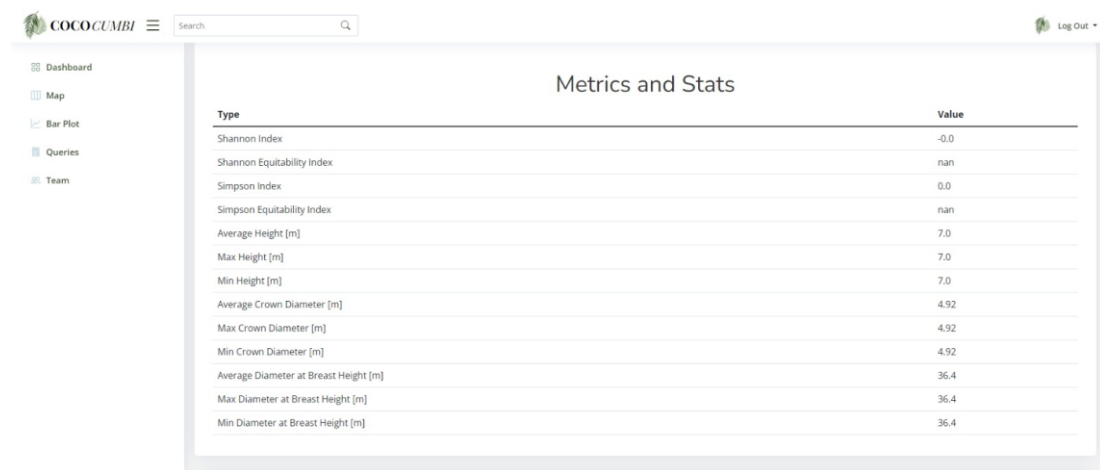| Type	Value
Shannon Index	4.4197966005253235
Shannon Equitability Index	0.9098011303375341
Simpson Index	0.9390222222222222
Simpson Equitability Index	0.9725587301587301
Average Height [m]	6.8133333333333335
Max Height [m]	13.0
Min Height [m]	2.0
Average Crown Diameter [m]	6.1152
Max Crown Diameter [m]	13.4
Min Crown Diameter [m]	1.4
Average Diameter at Breast Height [m]	23.73933333333333
Max Diameter at Breast Height [m]	74.2
Min Diameter at Breast Height [m]	10.1

Query Results

	TreeID	Census area	Group	Name	Scientific name	Status	DBH(m)	Height(m)	Crown diameter(m)	Sector	Risk	latitude	longitude	accuracy	X	Y
2	7191	4	1	Aguacate	Persea americana	['Aceptable']	40.6	7.0	6.62	Grupo Teniente Hugo Ortiz	Ninguno	-0.317205	-78.4496264		-8.732972e+06	-35311.279461
6	7195	4	1	Aguacate	Persea americana	['Aceptable']	22.9	5.0	6.12	Grupo teniente Hugo Ortiz	Ninguno	-0.316850	-78.4496660	4	-8.732976e+06	-35271.760437
14	7205	4	1	Aguacate	Persea americana	['Aceptable']	30.2	7.0	8.44	Grupo F. Cordero	Ninguno	-0.316533	-78.4491507		-8.732919e+06	-35236.471619
15	7206	4	1	Aguacate	Persea americana	['Aceptable']	12.5	6.0	7.88	Grupo F. Cordero	Ninguno	-0.316537	-78.4491484		-8.732919e+06	-35236.916904
17	7210	4	1	Aguacate	Persea americana	['Aceptable']	29.8	8.0	6.18	Grupo F. Cordero	Ninguno	-0.316502	-78.4490904		-8.732913e+06	-35233.020662
20	7213	4	1	Aguacate	Persea americana	['Aceptable']	15.2	5.0	8.06	Grupo F. Cordero	Ninguno	-0.316531	-78.4490764		-8.732911e+06	-35236.248977
28	7221	4	1	Aguacate	Persea americana	['Aceptable']	29.5	9.0	5.02	Bahía de Caraquez	Ninguno	-0.313960	-78.4501743		-8.733033e+06	-34950.042234
36	7229	4	1	Aguacate	Persea america	['Aceptable']	54.3	9.0	8.62	Bahía de Caraquez	Ninguno	-0.313944	-78.4501634		-8.733032e+06	-34948.261095
37	7230	4	1	Aguacate	Persea america	['Aceptable']	61.7	10.0	10.40	Bahía de Caraquez	Ninguno	-0.313946	-78.4501563		-8.733031e+06	-34948.483738
63	7261	4	1	Aguacate	Persea america	['Aceptable']	20.2	7.0	4.46	Grupo Cordero	Ninguno	-0.316512	-78.4487873		-8.732879e+06	-35234.133874

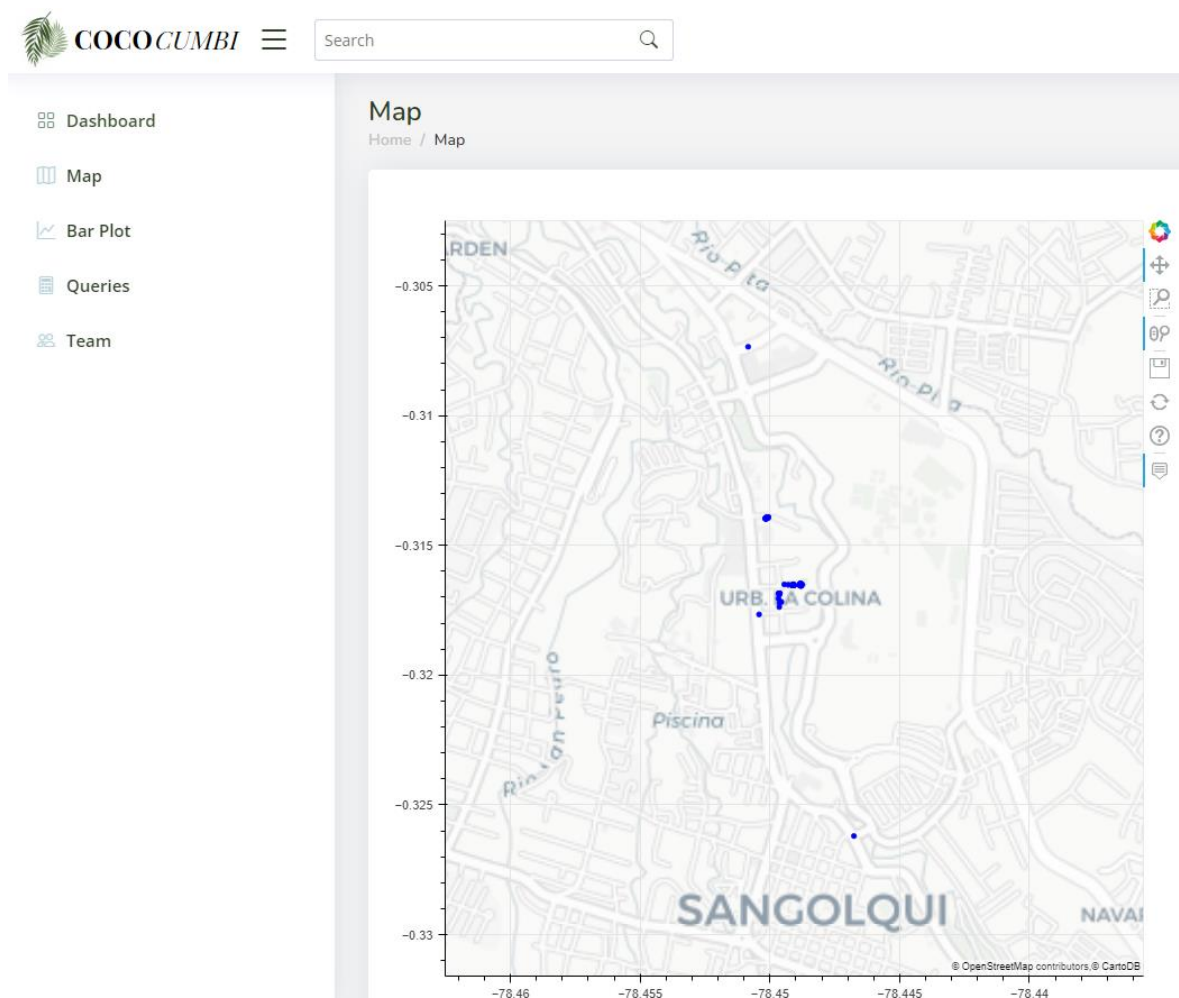## _Test Case 2 – User has chosen filters that are too restrictive_

Outcome: successful.

UC8: Interactive Map

Test Case 1 – Map correctly shows points

Outcome: successful.

Details & Update Log

DETAILS

DELIVERABLE	TR
TITLE	Test Report Document
SOFTWARE NAME	Coco Cumbi
AUTHORS	Brazzoli S., Esposito M.G., Koren M., Vallarino G.
VERSION	1.0
DATE	June 7th, 2022
DOWNLOAD PAGE	github.com/gaiavallarino/SE4GI
COPYRIGHT	Copyright © 2022, Brazzoli S., Esposito M.G., Koren M., Vallarino G. – All rights reserved

UPDATE LOG

Version	Date	Description
1.0	June 7th, 2022	First report and submission