Test Cases Report

This section describes how the app should behave in front of different case scenarios.

The way to do this is create some tables which are a **mix of Test Cases and Use Case Specification** tables.

Test Case	TC-01 Log In
Author	Alejandro Asensio
Created on	2019-04-28
Description	The actor can **Log in** the app. This TC-01 can be applied to **Register** for new users as well, since they share common input fields like username and password.
Actor	Any unknown user for Register; any registered user for Login.
Test Data	Username [valid, invalid], Password [valid, invalid], Email [valid, invalid], Role [valid, invalid]
Precondition	None
Dependencies	If user wants to Log in, it has to be registered.
Steps	The actor has to visit the login page, type in the username and password, and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully. Finally, the actor logs in the app and see the dashboard.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Username	3 minimum characters 30 maximum characters	2 characters 32 characters
Password	4 minimum characters 30 maximum characters	3 characters 32 characters
Email	String followed by '@', followed by a dot and domain	String without '@' String without the dot before the domain
Role	[select option]	NULL

Test Number	Valid prove case TC-01	Result
1	Peter	Success
2	obp	Success
3	Luc8a	Success

4	aasensio	Success
5	Supercalifragilisticoespialidoso	Error: Exceeds maximum length
6	O	Error: Insufficient length
7	NULL	Error: Cannot be empty
8	aasensio1.	Success
9	obp1.	Success
10	123456a.	Success
11	Angl%ada1	Success
12	supercalifragilisticoespialidoso	Error: Exceeds maximum length
13	abcdefg	Error: Invalid format
14	NULL	Error: Cannot be empty
15	nombre@dominio.com	Success
16	supercalifragilistico@espialidoso.com	Success
17	myemail.com	Error: Invalid format
18	myaddress@	Error: Invalid format
19	myemail	Error: Invalid format
20	NULL	Error: Cannot be empty
21	NULL	Error: Cannot be empty

Test Case	TC-02 Add or Modify Dog
Author	Óscar Burgos
Created on	2019-04-28
Description	The actor can add and modify a Dog.
Actor	Veterinarian
Test Data	Chip [valid, invalid], Name [valid, invalid], Gender [valid, invalid], Breed [valid, invalid], Color [valid, invalid], Birthdate [valid, invalid], Deathdate [valid, invalid], OwnerDni [valid, invalid], OwnerFullname [valid, invalid], Address.Street [valid, invalid], Address.City [valid, invalid], Address.State [valid, invalid], Address.Zip [valid, invalid]
Precondition	To be logged in with a vet role.
Dependencies	The actor must be registered with the veterinarian role.
Steps	The actor has to visit the page, type the fields, and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Chip	15 maximum characters - 15 characters (numeric and / or alphabetic) without signs and special characters.	String of more than 15 characters and/or string with some special characters like '@' or '%'.
Name	3 minimum characters 30 maximum characters	String of more than 15 characters and/or string 3 less characters
Gender	Male or Female	Leaving this field NULL
Breed	[select option]	NULL
Color	[select option]	NULL
Birthdate	DD/MM/YYYY	NULL
Deathdate	DD/MM/YYYY	NULL
OwnerDni	8 minimum characters numerics + 1 characters alphabetic	String with less or more than 8 digits String without a letter at the end
OwnerFullname	3 minimum characters 30 maximum characters	String of 2 characters String of 48 characters
Address.Street	3 minimum characters 50 maximum characters	String of 2 characters String of 48 characters
Address.City	[select option]	NULL
Address.State	[select option]	NULL
Address.Zip	5 min. numerics	String of more than 5 numerics and/or string with some special characters like '@' or '%'.

Test Number	Valid prove case TC-02	Result
22	12345678901234	Success
23	AAABBB123456789	Success
24	AAABBBCCCDDDEEE	Error: Invalid format
25	123-1234567890123	Error: Invalid format
26	NULL	Error: Cannot be empty
27	Lassie	Success
28	Boira	Success
29	Rin-tin-tin	Success
30	Supercalifragilisticoespialidoso	Error: Exceeds maximum length
31	NULL	Error: Cannot be empty
32	male	Success
33	female	Success

34	NULL	Error: Please, specify gender
35	White	Success
36	NULL	Success
37	22-2-2011	Success
38	22-02-2011	Success
39	22/2/2011	Success
40	22/02/2011	Error: Invalid format
41	22/feb/2011	Error: Invalid format
42	22-febrero-2011	Error: Invalid format
43	2011-22-02	Error: Invalid format
44	NULL	Success
45	22-2-2011	Success
46	22-02-2011	Success
47	22/2/2011	Success
48	22/02/2011	Error: Invalid format
49	22/feb/2011	Error: Invalid format
50	22-febrero-2011	Error: Invalid format
51	2011-22-02	Error: Invalid format
52	NULL	Success
53	46666666Y	Success
54	46.666.666-Y	Success
55	46-666-666-Y	Success
56	46666666	Error: Invalid format
57	ABCDFGHI	Error: Invalid format
58	NULL	Error: Cannot be empty
59	Oscar B.	Success
60	A. Asensio	Success
61	Oscar Burgos Pacheco	Success
62	123456789	Error: Invalid format
63	NULL	Error: Cannot be empty
64	Carrer Rovires 69	Success
65	Rovires 69 2º 1ª	Error: Invalid format
66	Rovires 69 2-1	Success
67	24 32 1 2	Success
68	C/24 nº 32 1º 2ª	Error: Invalid format
69	123456789	Success
70	NULL	Success
71	08901	Success
72	ABCDF	Error: Invalid format
73	123	Error: Insufficient length
74	NULL	Success
75	NULL	Success
76	NULL	Success

Test Case	TC-03 Add or Modify a Sample
Author	Alejandro Asensio

Created on	2019-04-28
Description	The actor can **add** or **modify** a biological sample from a dog.
Actor	Bioinformatic Technician
Test Data	Serial [valid, invalid], Origin [valid, invalid], Sequence [valid, invalid], Pattern.Locus [valid, invalid], Pattern.Repeats, Dog [valid, invalid]
Precondition	To be logged in as a bio role.
Dependencies	If user wants to Log in, it has to be registered.
Steps	The actor has to visit the login page, type in the username and password, and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully. Finally, the actor logs in the app and see the dashboard.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Serial	3 minimum characters 30 maximum characters	2 characters 32 characters
Origin	[select option]	NULL
Sequence	FASTA file	File with a format different from FASTA
Pattern	[select option]	NULL
Dog id	The sample can be attached or not to a dog, accepts NULL.	NULL

Test Number	Valid prove case TC-03	Result
77	123456	Success
78	123456ABC	Success
79	%123456	Error: Invalid format
80	0,123456	Error: Invalid format
81	----	Error: Invalid format
82	**NULL**	Error: Cannot be empty
83	Saliva	Success
84	Blood	Success
85	Dropping	Success
86	**NULL**	Error: Cannot be empty
87		
88		
89	1	Success
90	12	Success
91	123-124	Error: Invalid format

| 92 | ABC | Error: Invalid format |
| 93 | **NULL** | Success |

Test Case	TC-04 Add or Modify STR
Author	Alejandro Asensio
Created on	2019-04-28
Description	The actor can add and modify an STR.
Actor	Bioinformatic Technician
Test Data	Locus [valid, invalid], Chromosome [valid, invalid], RepatMotif [valid, invalid], MinSize [valid, invalid], MaxSize [valid, invalid], MinRepeats [valid, invalid], MaxRepeats [valid, invalid], RepeatStructure [valid, invalid]
Precondition	To be logged in as a bio role.
Dependencies	The actor must be registered with the bio role.
Steps	The actor has to visit the page, type the fields and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Locus	Alphanumeric string made of characters firstly and digits secondly, like VGL0910	1234LOL 9876
Chromosome	Positive integer from 1 to n	-1 0 9.99
RepatMotif	String of capital letters that represent the nucleotides [ACTG], usually 4 characters	0123 acb XYZQ
MinSize	Positive integer	-1 5.55
MaxSize	Positive integer greater than MinSize	-1 1
MinRepeats	Positive integer	-1 0
MaxRepeats	Positive integer greater than MinRepeats or decimal number	-1 1

	with a floating point less than the length of the RepeatMotif	230.15
RepeatStructure	Regular expression (or similar)	alksjdfhalskjdh

Test Number	Valid prove case TC-04	Result
94	VGL0910	Success
95	12345	Error: Invalid format
96	1	Success
97	12	Success
98	NULL	Error: Cannot be empty
99	ACGT	Success
100	ACGT ACGT	Success
101	ACGT-ACGT	Success
102	ABCDEFG	Error: Invalid format
103	123456	Error: Invalid format
104	NULL	Error: Cannot be empty
105	1	Success
106	12	Success
107	1-2	Error: Invalid format
108	ABC	Error: Invalid format
109	NULL	Error: Cannot be empty
110	1	Success
111	12	Success
112	1-2	Error: Invalid format
113	ABC	Error: Invalid format
114	NULL	Error: Cannot be empty
115	1	Success
116	12	Success
117	1-2	Error: Invalid format
118	ABC	Error: Invalid format
119	NULL	Error: Cannot be empty
120	1ctr	Error: Invalid format
121	1	Success
122	12	Success
123	1-2	Error: Invalid format
124	ABC	Error: Invalid format
125	NULL	Error: Cannot be empty
126	1ctr	Error: Invalid format
127	[any valid regex as raw string]	Success
128	NULL	Error: Cannot be empty

Test Case	TC-05 Add or Modify a Incidents
Author	Óscar Burgos
Created on	2019-04-28

Description	The actor can **add** or **modify** a incident.
Actor	Street Agent
Test Data	Id [valid, invalid], Location [valid, invalid], Photo [valid, invalid], Sample [valid, invalid]
Precondition	To be logged in as an agent role.
Dependencies	The actor must be registered with the agent role.
Steps	The actor has to visit the page, type the fields, and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Id	3 minimum characters 10 maximum characters	2 characters 12 characters
Location	Cannot be NULL 200 maximum characters	NULL 2 characters 600 characters
Photo	Filename like this Incident.id + image extension (jpg, png)	File with a format different from image formats
Sample	[automatic] This is a FK to Sample.serial	NULL

Test Number	Valid prove case TC-05	Result
129	123456789	Success
130	123456-123456	Success
131	123456-ABC	Success
132	ABCDE-1234	Success
133	%123456	Error: Invalid format
134	NULL	Error: Cannot be empty
135	Carrer Rovires 69 num. 25	Success
136	41°24'12.2"N 2°10'26.5"E	Success
137	41.3849403,1.9979315,10	Success
138	ABCDE-1234	Success
139	NULL	Error: Cannot be empty
140	namefile.jpg	Success
141	namefile.png	Success
142	namefile	Error: Invalid format
143	%namefile.jpg	Error: Invalid format
144	NULL	Error: Cannot be empty
145	-	-

Test Case	TC-06 Add or Modify a Infractions
Author	Óscar Burgos
Created on	2019-04-28
Description	The actor can **add** or **modify** a infractions.
Actor	Police Officer
Test Data	Id [valid, invalid], Status [valid, invalid], ValidatedAt [valid, invalid], Document [valid, invalid], Incident [valid, invalid],
Precondition	To be logged in as an Officer role.
Dependencies	The actor must be registered with the officer role.
Steps	The actor has to visit the page, type the fields, and click the submit button.
Expected Result	The page is loaded correctly. The actor fills all the fields correctly. The http request to backend is made successfully.

Condition of entry that discusses	Classes valid for the condition analyzed	Classes not valid for the condition analyzed
Id	3 minimum characters 30 maximum characters	2 characters 32 characters
Status	[select option]	NULL
ValidatedAt	Format date YYYY-MM-DD	Not format date
Document	Same name as the Id + pdf extension	File with a format different from PDF
Incident	[automatic] This is a FK to Incident.id	NULL

Test Number	Valid prove case TC-06	Result
146	123456789	Success
147	123456-123456	Success
148	123456-ABC	Success
149	ABCDE-1234	Success
150	%123456	Error: Invalid format
151	NULL	Error: Cannot be empty
152	Pending	Success
153	Approved	Success
154	Rejected	Success
155	NULL	Error: Cannot be empty
156	2011-2-22	Success
157	2011-02-22	Success

158	2011/2/22	Success
159	22/02/2011	Error: Invalid format
160	22/feb/2011	Error: Invalid format
161	22-febrero-2011	Error: Invalid format
162	2011-13-32	Error: Invalid format
163	**NULL**	Success
164	namefile.pdf	Success
165	namefile	Error: Invalid format
166	%namefile.pdf	Error: Invalid format
167	**NULL**	Success
168	-	-