

Test Cases: DogWalker API

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Preconditions

To execute all test a set of test data must be provide to de test database. The drop and seeding procedure must be execute before one of the tests of al of the test set are executed. Failure to resets the database will cause test failure.

To restart the database run with the console at ../PuppersApp/DogWalker_API the command:

npm run seeder

The test is divide into two categories:

- Services test cases
- Endpoint test cases

This too test of case cannot be executed at the same time, since Endpoint test cases can alter the data require for services cases. And in case the services cases fail, they will create failure in the Endpoint test cases. The recommend order is Services test cases first and Endpoint test cases second.

Services test cases

The service test cases test the functions provides in the DogWalker/services folder of the API. They can be execute run at the console at ../PuppersApp/DogWalker_API the command:

```
npm test test/services/*
```

They are divides into tree suites of cases:

adminVerification

File route: *test/services/adminVerification.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-01	checkCredentials admin: all correct	("testUser1", "aaaaa5547")	True
TC-02	checkCredentials admin: password incorrect	("testUser1", "aaaaa5547")	False
TC-03	checkCredentials admin: user incorrect	("mario25", "h8mm9_@w8R+")	False
TC-04	checkCredentials admin: empty parameters	("", "")	False
TC-05	checkUser admin: user correct	("testUser1")	True
TC-06	checkUser admin: user incorrect	("juanMera")	False
TC-07	checkUser admin: empty parameters	("")	False

clientesVerification

File route: *test/services/clientesVerification.test.js*

Test case ID	Test Description	Input Data	Expected Output
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TC-08	checkCredentials cliente: all correct	("acisneros2", "adHtYRnpq")	True
TC-09	checkCredentials cliente: password incorrect	("acisneros2", "14521451")	False
TC-10	checkCredentials cliente: user incorrect	("mario25", "BSBw2i4NbD")	False
TC-11	checkCredentials cliente: empty parameters	("", "")	False
TC-12	checkUser cliente: user correct	("acisneros2")	True
TC-13	checkUser cliente: user incorrect	("juan78541")	False
TC-14	checkUser cliente: empty parameters	("")	False

paseadoresVerification

File route: test/services/paseadoresVerification.test.js

Test case ID	Test Description	Input Data	Expected Output
TC-15	checkCredentials paseador: all correct	("wshilladaya", "2MeYSvofuc")	True
TC-16	checkCredentials paseador: password incorrect	("wshilladaya", "14521451")	False
TC-17	checkCredentials paseador: user incorrect	("mario25", "2MeYSvofuc")	False
TC-18	checkCredentials paseador: empty parameters	("", "")	False
TC-19	checkUser paseador: user correct	("wshilladaya")	True
TC-20	checkUser paseador: user incorrect	("aa123bsnl")	False
TC-21	checkUser paseador: empty parameters	("")	False

Endpoint test cases

The endpoint test cases test the function provides in the DogWalker/rest folder of the API, that contains all the routes of the app. They can be execute run at the console at ../PuppersApp/DogWalker_API the command:

*npm test test/endpoint/**

They are divides into four sets of cases for each set of routes in DogWalker/rest folder:

Endpoint admin

Folder route: *test/ endpoint /admin/admin.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-22	POST /admin/add: new user	req.body: { admin_username: "testUser4", admin_password: "h87m9pow8R+)" }	res. statusCode:201
TC-23	POST /admin/add: already existing admin_username	req.body: { admin_username: "testUser1", admin_password: "h8mm9_@w8R+"}	res. statusCode:409 res.body.error: "User not valid"
TC-24	POST /admin/log: correct credentials	req.body: { admin_username: "testUser1", admin_password: "h8mm9_@w8R+)"}	res. statusCode:200

TC-25	POST /admin/log: Wrong credentials	req.body: { admin_username: "testUser25", admin_password: "654842" }	res. statusCode:404 res.body.error: "Data not valid"
TC-26	PUT /admin/update/auth: correct credentials and new user	req.body: { admin_username: "testUser2", admin_password: "YCzkgUv[;,2Y", new_user: "NewTest", new_password: "Cy7XU6t8"}	res. statusCode:201 res.body.user: "NewTest"
TC-27	PUT /admin/update/auth: correct credentials and new user already in use	req.body: { admin_username: "testUser1", admin_password: "h8mm9_@w8R+)", new_user: "testUser3", new_password: "r6TEzgJ" }	res. statusCode:409 res.body.error: "New user not valid"
TC-28	PUT /admin/update/auth: wrong credentials	req.body: { admin_username: "testUser3", admin_password: "11112546aa", new_user: "scolling", new_password: "Cy7XU6t8" }	res. statusCode:409 res.body.error: "Credentials not valid"
TC-29	DELETE /admin/delete/:admin_username : correct admin_username	req.params. admin_username: {<current admin_username last entry of the "admin" table>}	res. statusCode:200
TC-30	DELETE /admin/delete/:admin_username : wrong admin_username	req.params. admin_username: { xd" + <current admin_username last entry of the "admin" table>}	res. statusCode:404

Endpoint Mascotas

Folder route: *test/endpoint/mascotas/mascotas.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-31	POST /mascotas/add : succesful add	req.body: { client_tel: "5897783337", walker_ID: "1713869268", pet_name: "Mochito", pet_breed: "Runa", service: "3P", renovation_date: "2023-2-25" }	res. statusCode:201
TC-32	POST /mascotas/add : client_tel does no exist	req.body: { client_tel: "4709243749" walker_ID: "5251523853" pet_name: "Mochito", pet_breed: "Runa", service: "3P", renovation_date: "2023-4-25" }	res. statusCode:400 res.body.error: " Unable to add"
TC-33	POST /mascotas/add : walker_ID does no exist	req.body: { client_tel: "8039394779" walker_ID: "1066647605" pet_name: "Rayo", pet_breed: "Pug", service: "5P", renovation_date: "2023-6-12" }	res. statusCode:400 res.body.error: " Unable to add"
TC-34	PUT /mascotas/update : correct pet_token	req.body: { pet_token: <current pet_token in the last entry of the "mascotas" table>, }	res. statusCode:201 res.body.pet_token: req.body.pet_token

		walker_ID: "8306920350" pet_name: "Mochita", pet_breed: "Runa", service: "3P", renovation_date: "2023-6-14" }	
TC-35	PUT /mascotas/update : walker_ID does no exist	req.body: { pet_token: <current pet_token in the last entry of the "mascotas" table>, walker_ID: "1066647605" pet_name: "Mochita", pet_breed: "Runa", service: "5P", renovation_date: "2023-2-25" }	res. statusCode:404 res.body.error: " No data has been update"
TC-36	DELETE /mascotas/delete/:pet_token : correct pet_token	req.params. pet_token: {<current pet_token in the last entry of the "mascotas" table>}	res. statusCode:200
TC-37	DELETE /mascotas/delete/:pet_token : wrong pet_token	req.params.pet_token: {<current pet_token in the last entry of the "mascotas" table> +1}	res. statusCode:404

Endpoint *Clientes*

Folder route: *test/ endpoint /clientes/**

1. *clientesAdd.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-38	POST /clientes/add: new cliente	req.body: { "client_tel": "0953914964", "client_name": "Mario Moreno", "start_date": new Date(), "client_user": "eholy2587f", "client_password": "654842", "location": "Zona 8", "area": "Zona 4"}	res. statusCode:201 res.body.client_tel: "0953914964"
TC-39	POST /clientes/add : client_tel already in use	req.body:{ "client_tel": "1853603925", "client_name": "Mario Moreno", "start_date": new Date(), "client_user": "superMario", "client_password": "9855478", "location": "Zona 8", "area": "Zona 4" }	res. statusCode:400 res.body.error: " Unable to add"
TC-40	POST /clientes/add: client_user already in use	req.body: { "client_tel": "0953987964", "client_name": "Mario Moreno", "start_date": new Date(), "client_user": "agorhardt1", "client_password": "654842",	res. statusCode:200 res.body.error: "User not valid"

		"location": "Zona 8", "area": "Zona 4"}	
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2. *clientesDelete.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-41	DELETE /clientes/delete/:client_tel : correct client_tel	req.params.client_tel: {<current client_tel in the last entry of the "cliente" table>}	res. statusCode:200
TC-42	DELETE /clientes/delete/:client_tel : wrong client_tel	req.params. client_tel: {"8" + <current client_tel in the last entry of the "cliente" table> }	res. statusCode:404

3. *clientesLog.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-43	POST /clientes/log: Correct credentials	req.body: { "client_user": "mcuolahan0", "client_password": "masUpqAyA"}	res. statusCode:200
TC-44	POST /clientes/log: Wrong credentials	req.body: { "client_user": "agorhardt1", "client_password": "584515" }	res. statusCode:404 res.body.error: "Data not valid"

4. *clientesUpdate.test.js*

Test case ID	Test Description	Input Data	Expected Output
TC-45	PUT /clientes/update : successful update	req.body: { "client_tel": {<current client_tel in the last entry of the "cliente" table>}, "client_name": "Mario Moreno", "start_date": new Date(), "location": "Zona 9", "area": "Maria cordero" }	res. statusCode:201 res.body. client_tel: req.body. client_tel
TC-46	PUT /clientes/update : wrong client_tel	req.body: { "client_tel": "0853914964", "client_name": "Mario Moreno", "start_date": new Date(), "location": "Zona 9", "area": "Maria cordero"} }	res. statusCode:404 res.body.error: " No data has been update"
TC-47	PUT /clientes/update/auth: correct credentials and new user	req.body: { client_user: "jellerbeck5", client_password: "kpZshipony", new_user: "jellerbarri", new_password: "Cy7XU6t8" }	res. statusCode:201 res.body.user: "jellerbarri"
TC-48	PUT /clientes/update/auth: correct credentials , but new user already in use	req.body: { client_user: "vsummers6", client_password: "TChNulQloz", new_user: "mcuolahan0", new_password: "r6TEzgJ" }	res. statusCode:409 res.body.error: "New user not valid"
TC-49	PUT /clientes/update/auth: wrong credentials	req.body: { client_user: "lcallister7", client_password: "11112546aa",	res. statusCode:409 res.body.error: "Credentials not valid"

		<pre>new_user: "scolling", new_password: "Cy7XU6t8"}</pre>	
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Endpoint Paseadores

Folder Route: test/services/ paseadores/*

1. paseadoresAdd.test.js

Test case ID	Test Description	Input Data	Expected Output
TC-50	POST /paseadores/add : new paseador	req.body: { "walker_ID": "1755698315", "walker_tel": "0987654300", "walker_name": "Juan Mario", "start_date": new Date(), "walker_user": "user254", "walker_password": "5421548"}	res. statusCode:201 res.body.walker_ID: "1755698315"
TC-51	POST /paseadores/add : walker_ID already in use	req.body: { "walker_ID": "5251523853", "walker_tel": "0987654300", "walker_name": "Diego Mario", "start_date": new Date(), "walker_user": "used874", "walker_password": "oplpd7854" }	res. statusCode:400 res.body.error: " Unable to add"
TC-52	POST /paseadores/add: walker_user already in use	req.body: { "walker_ID": "1866647787", "walker_tel": "0988854300", "walker_name": "Dio Mario", "start_date": new Date(), "walker_user": "cpruckner0", "walker_password": "ultim64"}	res. statusCode:200 res.body.error: "User not valid"

2. paseadoresDelete.test.js

Test case ID	Test Description	Input Data	Expected Output
TC-53	DELETE /paseadores/delete/:walker_ID : correct walker_ID	req.params.client_tel: {<current walker_ID in the last entry of the "paseadores" table>}	res. statusCode:200
TC-54	DELETE /paseadores/delete/:walker_ID : wrong correct walker_ID	req.params. client_tel: { <current walker_ID in the last entry of the "paseadores" table> +"59" }	res. statusCode:404

3. paseadoresLog.test.js

Test case ID	Test Description	Input Data	Expected Output
TC-55	POST /paseadores/log: Correct credentials	req.body: { "walker_user": "hplayer2", "walker_password": "hRkvK3dF4"}	res. statusCode:200
TC-56	POST /paseadores/log: Wrong credentials	req.body: { "walker_user": "mer7854", "walker_password": "5664875"}	res. statusCode:404 res.body.error: "Data not valid"

4. paseadoresUpdate.test.js

Test case ID	Test Description	Input Data	Expected Output
TC-57	PUT /paseadores/update : successful update	req.body: { "walker_ID ": {<current walker_ID in the last entry of the "paseadores" table>}, "walker_tel": "0987654420", "walker_name": "Kayley", "start_date": new Date(), }	res. statusCode:201 res.body.walker_ID: req.body.walker_ID
TC-58	PUT /paseadores/update : wrong walker_ID	req.body: { "walker_ID": "14236985", "walker_tel": "0987654420", "walker_name": "Kayley", "start_date": new Date(), } }	res. statusCode:404 res.body.error: " No data has been update"
TC-59	PUT /paseadores/update/auth: correct credentials and new user	req.body: { walker_user: "jdey6", walker_password: "kgCCjv04N", new_user: "jdey878", new_password: "Cy7X8958"} }	res. statusCode:201 res.body.user: "jellerbarri"
TC-60	PUT /paseadores/update/auth: correct credentials , but new user already in use	req.body: { walker_user: "utiplady7", walker_password: "ZOnH4iWeI", new_user: "cpruckner0", new_password: "hJlwQl"} }	res. statusCode:409 res.body.error: "New user not valid"
TC-61	PUT /paseadores/update/auth : wrong credential	req.body: { walker_user: "bjedrzejewicz8", walker_password: "8975421", new_user: "abiggl", new_password: "45xxttre"} }	res. statusCode:409 res.body.error: "Credentials not valid"

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