

TESTING THE WEBSITE

<https://petstore.swagger.io/> API

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Browser used: Chrome - ChromeDriver 103.0.5060.53

1. TEST SCENARIO 1: Upload an Image

Test Case
TS1_TC0
1

Incorrect "ID of pet to update" field

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Leaving "ID of pet to update" field empty then updating an image using the button "Choose File". "Additional data to pass to server" field is empty.	"ID of pet to update" field become red colour.	As Expected	Not Executed
2	I insert string characters in "ID of	"ID of pet to update" field become red	As	Not

	pet to update" field, then I update an image using the button "Choose File". "Additional data to pass to server" field is empty.	colour.	Expected	Executed
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Test Case
TS1_TC02

Testing different formats of Images updated

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	I insert number 84 in "ID of pet to update" field, then I update the image doggy.jpeg, using the button "Choose File". The "Additional data to pass to server" field is empty (it is not mandatory).	The image is updated.	Response body <pre>"code": 200, "type": "unknown", "message": "additionalMetadata: null\ nFile uploaded to ./doggy.jpeg, 6662 bytes" }</pre> Response headers <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-</pre>	Pass

			<pre>origin: * content-type: application/json date: Thu,30 Jun 2022 13:20:54 GMT server: Jetty(9.2.9.v20150224)</pre> <pre>successful operation { "code": 0, "type": "string", "message": "string" }</pre>	
2	<p>I insert number 84 in "ID of pet to update" field, then I update the image doggy.png, using the button "Choose File".</p> <p>"Additional data to pass to server" field is empty (it is not mandatory).</p>		<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "additionalMetadata: null\ nFile uploaded to ./doggy, 345197 bytes" }</pre> <p>Response headers</p> <pre>access-control-allow- headers: Content- Type,api_key,Authorization access-control-allow- methods: GET,POST,DELETE,PUT access-control-allow- origin: * content-type: application/json date: Thu,30 Jun 2022 13:30:46 GMT server: Jetty(9.2.9.v20150224)</pre>	Pass

			<p>successful operation</p> <pre>{ "code": 0, "type": "string", "message": "string" }</pre>	
3	<p>I insert number 84 in "ID of pet to update" field, then I update the file add_a_new_pet.py using the button "Choose File". This file is not an image.</p> <p>"Additional data to pass to server" field is empty (it is not mandatory).</p>	It is not possible to update the image.	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "additionalMetadata: null\ nFile uploaded to ./add_a_new_pet.py, 401 bytes" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 13:24:19 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p> <pre>{ "code": 0,</pre>	Fail

			<pre>"type": "string", "message": "string" }</pre>	
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2. TEST SCENARIO 2: Create User

Test Case TS2_TC01 Testing inserting all the correct information

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	<p>In the user object, I insert the correct information in all fields as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	User is created.	<p>Response body</p> <pre>"code": 200, "type": "unknown", "message": "11" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022</pre>	Pass

			17:38:03 GMT server: Jetty(9.2.9.v20150224)	
			successful operation	

Test Case Testing letting empty fields
TS2_TC02

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	In the user object, I inserted correct information in all fields except in "id" as it follows: "id": , "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0	Information in the "id" field is required. An error or warning will be displayed regarding requiring this information.	Not executed	Not executed

2	<p>In the user object, I inserted correct information in all fields except in "username" as it follows:</p> <pre>"id": 0, "username": "", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>Information in the "username" field is required. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497197060" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 17:58:09 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p>	Fail
3	<p>In the user object I insert correct information in all fields except in "firstName" as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>Information in the "firstName". An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497197153" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorizat</pre>	Fail

			<pre> ion access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 18:03:19 GMT server: Jetty(9.2.9.v20150224) </pre> <p>successful operation</p>	
4	<p>In the user object I insert correct information in all fields except in "lastName" as it follows:</p> <pre> {id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0 </pre>	<p>Information in the "lastName" field is required. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre> {"code": 200, "type": "unknown", "message": "9222968140497197214"} </pre> <p>Response headers</p> <pre> access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 18:24:16 GMT server: Jetty(9.2.9.v20150224) </pre> <p>successful operation</p>	Fail

5	<p>In the user object I insert correct information in all fields except in "email" as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>Information in the "email " field is required. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497197216" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 18:25:20 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p>	Fail
6	<p>In the user object I insert correct information in all fields except in "password" as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "", "phone": "6457890",</pre>	<p>Information in the "password" field is required. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497197217" }</pre> <p>Response headers</p> <pre>access-control-allow-</pre>	Fail

	"userStatus": 0		<pre>headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 18:26:10 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p>	
7	<p>In the user object, I insert correct information in all fields except in "phone" as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "", "userStatus": 0</pre>	Information in the "phone" field is required. An error or warning will be displayed regarding requiring this information.	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497197221" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 18:27:42 GMT server: Jetty(9.2.9.v20150224)</pre>	Fail

			successful operation	
8	<p>In the user object I insert correct information in all fields except in "userStatus" as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus":</pre>	Information in the "userStatus" field is required. An error or warning will be displayed regarding requiring this information.	Not executed	Not executed

Test Case Testing introducing incorrect type of fields
TS2_TC03

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	<p>In the user object, I insert correct information in all fields except in "id", in which I introduce a string as it follows:</p> <pre>"id": "abc",</pre>	The type of the "id" field is integer. An error or warning will be displayed regarding requiring this information.	Not executed	Not executed

	<pre>"username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>			
2	<p>In the user object, I insert correct information in all fields except in "username", in which I introduce an integer as it follows:</p> <pre>"id": 0, "username": 0, "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>The type of the "username" field is string. An error or warning will be displayed regarding requiring this information.</p>	Not executed	Not executed
3	<p>In the user object, I insert correct information in all fields except in "firstName", in which I introduce an integer as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": 0, "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>The type of the "firstName" field is string. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9222968140497198260" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT</pre>	Fail

			<pre>access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 20:53:15 GMT server:Fail Jetty(9.2.9.v20150224)</pre>	
			successful operation	
4	<p>In the user object, I insert correct information in all fields except in "lastName", in which I introduce an integer as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": 0, "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>The type of the "lastName" field is string. It will show an error or a warning concerning to the type of the field.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9223372036854775807" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:01:10 GMT server: Jetty(9.2.9.v20150224)</pre>	Fail
			successful operation	

5	<p>In the user object, I insert correct information in all fields except in "email", in which I introduce a string as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "", "password": "qwery", "phone": "6457890", "userStatus": 0</pre>	<p>The type of the "email" field is string. It will show an error or a warning concerning to the type of the field.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9223372036854775807" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:02:10 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p>	Fail
6	<p>In the user object I insert correct information in all fields except in "password", in which I introduce a string as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "", "phone": "6457890",</pre>	<p>The type of the "password" field is string. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9223372036854775807" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-</pre>	

	"userStatus": 0		<pre>Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:06:45 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p>	
7	<p>In the user object, I insert correct information in all fields except in "phone", in which I introduce a string as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "", "userStatus": 0</pre>	<p>The type of the "phone" field is string. An error or warning will be displayed regarding requiring this information.</p>	<p>Response body</p> <pre>{ "code": 200, "type": "unknown", "message": "9223372036854775807" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:06:45 GMT server: Jetty(9.2.9.v20150224)</pre>	

			successful operation	
8	<p>n the user object I insert correct information in all fields except in "userStatus", in which I introduce a string as it follows:</p> <pre>"id": 0, "username": "Carlos", "firstName": "Carlos", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus":</pre>	The type of the "userStatus" field is a string. An error or warning will be displayed regarding requiring this information.	Not Executed	Not Executed

3. TEST SCENARIO 3: Get user by user name

Test Case
TS3_TC01 Testing leaving text box empty

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspend ed
1	Leaving "username" text box empty	the text box become red colour.	As Expected	Not Executed

Test Case
TS3_TC02

Testing introducing strings in text box

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	I introduce one name in text box: Carlos	User not found.	<div>Response body</div> <pre>{ "id": 9222968140497198000, "username": "Carlos", "firstName": "0", "lastName": "Mendez", "email": "carlos@gmail.com", "password": "qwery", "phone": "6457890", "userStatus": 0 }</pre> <div>Response headers</div> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json</pre>	pass

			<div>date: Thu,30 Jun 2022 21:46:55 GMT server: Jetty(9.2.9.v20150224)</div> <p>successful operation</p> <ul style="list-style-type: none"> • <div> <pre>{ "id": 0, "username": "string", "firstName": "string", "lastName": "string", "email": "string", "password": "string", "phone": "string", "userStatus": 0 }</pre> </div> <p>400</p> <p>Invalid username supplied</p> <p>404</p> <p>User not found</p>	
2	pl introduce one name and one lastname in the text box: Carlos Mendez.	User not found.	<p>Response body</p> <div> <pre>{ "code": 1, "type": "error", "message": "User not found" }</pre> </div> <p>Response headers</p> <div> <pre>access-control-allow-headers: Content-</pre> </div>	pass

			<pre>Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:50:11 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p> <ul style="list-style-type: none"> • <pre>{ "id": 0, "username": "string", "firstName": "string", "lastName": "string", "email": "string", "password": "string", "phone": "string", "userStatus": 0 }</pre> <p>400</p> <p>Invalid username supplied</p> <p>404</p> <p>User not found</p>	
3	I introduce one numbers in the text box: 1234.	User not Found	<p>Response body</p> <pre>{ "code": 1, "type": "error",</pre>	pass

			<pre>"message": "User not found" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:55:13 GMT server: Jetty(9.2.9.v20150224)</pre> <p>successful operation</p> <pre>{ "id": 0, "username": "string", "firstName": "string", "lastName": "string", "email": "string", "password": "string", "phone": "string", "userStatus": 0 }</pre> <p>400</p> <p>Invalid username supplied</p> <p>404</p>	
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4	I introduce numbers and letters in the text box: user1.	User not Found.	<p>Response body</p> <pre>{ "code": 1, "type": "error", "message": "User not found" }</pre> <p>Response headers</p> <pre>access-control-allow-headers: Content-Type,api_key,Authorization access-control-allow-methods: GET,POST,DELETE,PUT access-control-allow-origin: * content-type: application/json date: Thu,30 Jun 2022 21:58:05 GMT server: Jetty(9.2.9.v20150224)</pre> <p>Responses</p> <p>CodeDescription200</p> <p>successful operation</p> <ul style="list-style-type: none"> • <pre>{ "id": 0, "username": "string", "firstName": "string", "lastName": "string", "email": "string", }</pre>	pass

			<pre>"password": "string", "phone": "string", "userStatus": 0 }</pre> 400 Invalid username supplied 404 User not found	
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4. CONCLUSIONS

Variations were made in each case that allowed considering the possible paths in each scenario. Some bugs were found in two of the three scenarios.

In scenario 1: file images to upload were not limited to some image formats like jpeg, png etc., but it is possible to upload non-image files.

In scenario 2: entering incorrect information or incorrect formats in some of the fields, a warning or message that can guide the user to correct the input errors was not obtained.