

Check-List for API testing (<https://petstore.swagger.io/#/>)

Preconditions and input data

1. Open WebSite <https://petstore.swagger.io/#/>

2. Choose “**Operations about user**”

3. Select request methods accordingly:

POST - create

PUT - update

GET - read(get some information)

DELETE - delete an entity

4. Choose and Enter Content-Type-application/json in the BODY

1. The ‘**ID**’ field:

Valid data	figures (in positive numbers excluding 0)	12345
Invalid data	letters, special symbols, negative numbers, 0, null (empty field)	Qw#\$
Registered in the store	the corresponding ID after registering a user	12345
Non-registered in the store	any figures not corresponding with the registered ID	98

2. The ‘**username**’ (*this field is required*):

Valid data	Latin and Cyrillic capital and lowercase letters, diacritics, <i>hyphen</i> and <i>apostrophe</i> symbols, numbers	Ghjn-876
Invalid data	special symbols (except <i>hyphen</i> and <i>apostrophe</i> symbols), null (empty field)	#\$

3. The '**firstname**':

Valid data	Latin and Cyrillic capital and lowercase letters, diacritics, <i>hyphen</i> and <i>apostrophe</i> symbols, length - more than 2 values	S'üd-De n
Invalid data	Numbers, special symbols (except <i>hyphen</i> and <i>apostrophe</i> symbols), less than 2 values	12#\$

4. The '**lastname**':

Valid data	Latin and Cyrillic capital and lowercase letters, diacritics, <i>hyphen</i> and <i>apostrophe</i> symbols, length - more than 2 values	S'üd-D en
Invalid data	Numbers, special symbols (except <i>hyphen</i> and <i>apostrophe</i> symbols), less than 2 values	12#\$

5. The '**email - optional**':

Valid data	Latin lowercase letters, diacritics, <i>hyphen</i> symbols, numbers, null (empty field) The field should contain a symbols @ and .	kuki-55@gmail .com
Invalid data	special symbols (except <i>hyphen</i> symbols)	#\$

6. The '**password**' (**this field is required**)l:

Valid data	Latin capital and lowercase letters, diacritics, <i>all</i> symbols, numbers, length - more then 6 values	PassWord123! @#
Invalid data	Length - less than 6 values, null (empty field)	Pas1@

7. The '**phone**':

Valid data	All numbers, length - 12 values The phone start with 380	380507347228
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Invalid data	Letters, symbols, length - less or more than 12 values The phone doesn't start with 380	24##ghf
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8. The '**userStatus**':

Valid data	numbers (in positive numbers)	12345
Invalid data	letters, special symbols, negative numbers, null (empty field)	Qw#\$

Positive cases

No	Test description	Server response, expected result
1.	Create the new User by entering all valid data Select Request Method - POST Select all necessary Headers URL - https://petstore.swagger.io/v2/user Check the data in the response body.	Code 200 'Successful operation' The entered data and the data in the response body coincide. The new user has received an ID.
2.	Get a user by entering an existent username Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaf	Code 200 'Successful operation' The body contains information about the user that we looked for
3	Create the new User by entering all valid data	Server response time - less than 1 s

	Select Request Method - POST Select all necessary Headers URL - https://petstore.swagger.io/v2/user Check server response time	
4	Log in the user into the system by entering valid data('username' and 'password') Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user/login	Code 200 'Successful operation'
5	Delete the existing user by using a username Select Request Method - DELETE Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaf	Code 200 'Successful operation'

Negative cases

No	Test description	Server response, expected result
1.	Create the new User by entering all valid data Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user	Code 400 'Bad request'
2.	Create a new User by entering all valid data	Code 400 'Bad request'

	WITHOUT Headers Select Request Method - POST URL - https://petstore.swagger.io/v2/user	
3	Create a new User by entering invalid data in the `password` field - 'pas1' Select Request Method - POST Select all necessary Headers URL - https://petstore.swagger.io/v2/user	Code 400 'Bad request'
4	Get a user by entering a non-existent username Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaJ	Code 400 'Bad request'
5	Get a user with an invalid URL - https://petstore.swagger.io/v2%2Fuser%2Folenaf Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaf	ERROR - Could not send request

Flow testing (using valid data only, checking the smooth test chain processing)

No	Test chain description	Server response, expected result
1.	Create the new User by entering all valid data Select Request Method - POST Select all necessary Headers URL - https://petstore.swagger.io/v2/user Check the data in the response body.	Code 200 'Successful operation' The entered data and the data in the response body coincide. The new user has received an ID.
2	Get this user by using a username Select Request Method - GET Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaf Check that this user exist and has a unique Id	Code 200 'Successful operation' The user exist and has a unique Id
3	Update this user by changing `lastname` field Select Request Method - PUT Select all necessary Headers URL - https://petstore.swagger.io/v2/user/olenaf Check the data in the response body.	Code 200 'Successful operation' The entered data and the data in the response body coincide.
4	Get this user by using a username Select Request Method - GET Select all necessary Headers	Code 200 'Successful operation' The user has updated lastname

URL - <https://petstore.swagger.io/v2/user>/olenaf

Check that all changes are applied and the user has new
lastname