

Test plan

Descripción: Create a test API with POSTMAN

An automated test will be implemented with the Rest Assured framework with the additional Java language the Maven dependency manager; having the help of cucumber, serenity and gherkin implementing the Screenplay pattern.

HU 0001 GET method: Get API information

Scope

It will be verified:

- That the service is responding in the endpoint <https://postman-echo.com/get>

It will be validated:

- The response of the service when the parameters were sent correctly, incorrectly and missing; keeping in mind the statusCode.
- The response scheme.
- The nomenclature of the variables.
- The language of the response

Out of range:

- The validation / verification of the data, due to the fact that there is no connection with the database.
- Monitor the service; Because you do not have access to the queue.

Strategy:

A query will be made through an automated test to the endpoint <https://postman-echo.com/get> with the GET method sending the fields fool, foo2 as parameters.

It should be borne in mind that the data is mandatory; Additionally, the statusCode and the response will be observed depending on the parameters sent.

Regression tests will be run at the end of each sprint (before the sprint review).

HU 0001 POST method: Create API information

Scope:

It will be verified:

- That the service is responding in the endpoint <https://postman-echo.com/post>

It will be validated:

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- The response of the service when the parameters were sent correctly, incorrectly and missing; keeping in mind the statusCode.
- The response scheme.
- The nomenclature of the variables.
- The language of the response

Out of range:

- The validation / verification of how the data was registered in the database.
- Monitor the service; Because you do not have access to the queue.

Strategy:

A query will be made through an automated test to the endpoint <https://postman-echo.com/post> with the POST method sending the fields fool, foo2 as parameters.

It should be borne in mind that the data is mandatory; Additionally, the statusCode and the response will be observed **depending** on the parameters sent.

Regression tests will be run at the end of each sprint (before the sprint review).

o Suspension criteria

It will be done when:

- The system does not comply with the requirements established by PO, after implementing the suspension there will be 10 business days.

Criteria of acceptance:

- The functionalities must be deployed in the QA environment and have been tested
- Critical defects found during testing have been resolved and closed.
- When the user's registration is correct with their specifications in the characters of each field
- Unit tests must have coverage greater than 90% of the code. Criterios de Devolución
- When the system has an error or failures with a percentage greater than 60% of the automated tests.
- The System does not meet the previous requirements.

Pre requirements:

- Have access to the database to validate the registration of users.
- Have access to two different internet networks.

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- That the application is installed in a quality environment.

Limits:

- Not having an internet connection.

Assumptions:

- That the unit tests are properly tested.

Infrastructure:

- Availability to connection

Datos: 500 records are required (250 existing and 250 non-existent) for each field where they meet the minimum and maximum character length requirements.