

## Results of tests:

Whit these test I have detected some issues:

1 – When a user with a wrong password is created, the response is the correct message:

```
00:59:38.132 over-writing existing variable 'expected' with new value: { "message": "Password does not conform to policy: Password must have symbol characters" }
```

but if the same user is tried to save with a correct password, it isn't possible because the username already exists:

```
[{"path":["SaveUser"],"locations":[{"line":2,"column":5}],"message":"An account with the given email already exists."}]
```

and it is necessary to delete the user to be able to save it with that username, although with a **UserReadModels** query it isn't listed.

2 – When a customer is saved, the **photo** field isn't saved properly and with a query of **ReadCustomerModels** it is allways displayed as an empty field "":

```
00:59:14.253 [print] [ { "photoUrl": "", "surname": "surname changed", "name": "name changed", "id": "CustNotAdmin2", "userId": "userNotAdmin@test.com" }
```

so, when a customer is updated with a new photo, it isn't possible to test if the photo is properly updated or it isn't.

3 – When delete a customer, it doesn't check if the customer exists or not and allways response with:

```
{"data":{"DeleteCustomer":true}}
```

4 – When saving a new customer, mandatory fields **name** and **surname** are allowed to be empty and the customer is saved with **null** values:

```
{"photoUrl":"","surname":null,"name":null,"id":"Customer_id","userId":"admin@theagilemonkeys.com"}
```

I attach the karate reports directory that I have after the tests.

5 – I only have tested in the '**Prod**' environmet because in '**Dev**' I get a token, but when I try to post a graphql query with the authorization token I get an error and I don't know if it is a default of the application or mine:

*[{"message": "JsonWebTokenError: error in secret or public key callback: Unable to find a signing key that matches 'GksPOoCVGwocLWDNgKo5Q4GubDSTWLMx8GaRfHV/E7A='"}]*

I have empty the users and customers list so you can run the test if you want.