

UI and API tests

Project developed as a test for a QA position.

Yadhurany dos Santos Ramos

Reasons for choosing the tools used:

UI Test Cases: BDD (Behavior Driven Development) was used because I work with it in my daily basis.

UI Automated Tests: Selenium Web Driver was chosen because of its popularity among testers.

API Automated Tests: Rest Assured was chosen because of its popularity among testers, and because I could also work with Java as I would work with Selenium.

User Story (provided by the evaluator, free translation to English):

With the purpose of simulating a saving investment

As a client

I want to fill in the simulation form

so that I can see the results table containing month and amount of money I can save

Acceptance criteria (provided by the evaluator, free translation to English):

The client fills in all the fields of the form correctly and sees the simulation form

The client fills in a value less than "R\$ 20.00" and sees the message "Valor mínimo de R\$ 20.00".

URL: <https://www.sicredi.com.br/html/ferramenta/simulador-investimento-poupanca/>

UI Test Cases:

Scenario: Simulate an saving investment with success

Given the client informed R\$20,00 in the <field>

And filled the field "Por quanto tempo você quer poupar?"

When he or she clicks on the button "Simular"

Then the system shows the amount of money the client will save according to the data informed

|field|

|Qual o valor que você quer aplicar?|

|Quanto você quer poupar todo mês?|

Scenario: Client fills in the field values with less than R\$20,00 for simulating a saving investment

Give the client filled in the <field> with less than R\$20,00

When he or she tries to fill in another field

Then the system shows the message "Valor mínimo de 20.00"

|field|
|Qual o valor que você quer aplicar?|
|Quanto você quer poupar todo mês?|

Scenario: Client fills in the field values with a number above R\$99999999.00 for simulating a saving investment

Given the client filled in a number above R\$99999999.00 in the <field>

When he or she tries to fill in another field

Then the system shows the message “Máximo de 99999999.00”

|field|
|Qual o valor que você quer aplicar?|
|Quanto você quer poupar todo mês?|

Scenario: Client do not fill in one or more of the mandatory fields for simulating a saving investment

Given the client has not filled in the <field>

When the or she tries to fill in another field

Then the system shows the <message>

field	message
Qual o valor que você quer aplicar?	Valor mínimo de 20.00
Quanto você quer poupar todo mês?	Valor mínimo de 20.00
Por quanto tempo você quer poupar?	Obrigatório

Scenario: Clean the saving investment simulator’s form data

Given the client has filled one or more fields of the form

When he or she clicks on the button “Limpar formulário”

Then the system cleans the data that was filled in

Scenario: Client fills in with the number “0” in the field of period of time for simulating a saving investment

Given the client has filled the field “Por quanto tempo você quer poupar?” with the value “0”

When he or she clicks on the button “Simular”

Then the system shows the message “Valor esperado não confere”

Some issues found on the page:

- The field “Quanto você quer poupar todo mês?” is mandatory, but it does not indicate it by having an asterisk by its right side;
- It is possible to fill in negative numbers in the field “Por quanto tempo você quer poupar?”;
- The system does not hide the notifications of error after cleaning the form;
- The links on the buttons “Voltar para o site” e “Conheça mais sobre a Poupança” are not working;
- There are some differences between the mocked API and the real one.