

1. STOCK APP

Definition of Done (DOD)

- **Dev tasks completed:** the developers will make sure that the app should be able to withdraw money based on the user's available balance, the app will check if the debit card data and information to receive the money is correct and finally confirm the transaction.
In this phase, the creation of code for the functionality and also the unit tests must be performed.
- **UX reviewed:** the developers and QA tester shall ensure that the mobile application has the same appearance as the reference design, including responsiveness, typography, iconography, font sizes, font style, colors, backgrounds, and shades. Layout reference: [Figma design](#)
- **QA tasks evaluated:** The QA will make sure that the app is working according to the product functionality statements and that there is no error with the processes and UX. If any error is found, that one will communicate the errors to the developers for its respective corrections.
- **Defects resolved:** the developers will fix all errors reported before, and the QA will review again the app to ensure that all errors were fixed successfully (performing functional testing and smoke testing)

Acceptance criteria

SLIDER VALUES TO WITHDRAW (AVAILABLE BALANCE 41\$) - ACCEPTANCE CRITERIA

Data	Expected Result	Expected message
47	Fail	Your current balance is less than your withdrawal amount
41	Pass	
40	Pass	
30	Pass	
20	Pass	
10	Pass	
0	Pass	

CARD NUMBER - ACCEPTANCE CRITERIA

Data	Expected Result	Expected message
0201 1323 1131	Fail	Invalid Card Number, the field must have between 13 or 19 digits
1313 JHY1 LDKK 2323	Fail	Invalid Card Number, the field must have only numbers
9000 0000 0000 9990	Pass	

EXPIRATION DATE - ACCEPTANCE CRITERIA

Data	Expected Result	Expected message
12/20	Fail	Invalid Expiration Date, the card is already expired
13/25	Fail	Invalid Expiration Date, value contains an error; only 12 months exist
12/23	Pass	
10/26	Pass	

CVV - ACCEPTANCE CRITERIA

Data	Expected Result	Expected message
JTD	Fail	Invalid CVV, the field must have only numbers
33	Fail	Invalid CVV, the field must have 3 or 4 digits
332	Pass	
2453	Pass	

Test Scenarios

Feature: The user will select how much money they want to withdraw.

- a. As a user the maximum value a user can withdraw is their available balance.
- b. As a user when changing the slider, it should update the value by \$10, except for the last value, which should be the user's available balance (in the example \$41) so the possible values for the slider are: \$0 -> \$10 -> \$20 -> \$30 -> \$40 -> \$41

Scenario 1: Select an amount higher than the available balance. Example: \$41.

Given that the user is logged in to the application

When the value 42 is selected as the withdrawal amount

Then the slider will have the current balance value: 41\$

And the available value 41\$ will be shown above on the slider

And the message "No operation possible, your current balance is less than the withdrawal amount" will appear.

Scenario 2: Changing the slider to update the value. Example: \$41.

Given that the user is logged in to the application

When the slider is changed to the begin

Then the value above to the slider will be updated to the 0\$ value.

When the slider is moved a little to the right

Then the value above the slider will be updated to the 10\$ value.

When the slider is changed to the end

Then the value above to the slider will be updated to the current available balance value: 41\$.

And ensure that the withdrawal is not higher than the available balance

Feature: The user will enter their credit card information - this form needs to be validated before submission.

Scenario 1: Validate values entered by the user about debit card information

Given the user has selected the amount of withdraw

When the user selects the <Continue> button

Then the information to add a debit card is asked

When the user enters an invalid card number

Then the system shows a message error: "Invalid Card Number"

And the system makes sure that the Card Number field accepts only numbers

And Card number Field must have between 13 and 19 digits depending on the type of card

When the user enters an invalid expiration date

Then the system shows a message error: "Invalid Expiration Date"

And the system makes sure that the Expiration Date field only accepts numbers

And that the first part of the Expiration Date must be values between 01 and 12

And the second part of the Expiration Date must be equal to or greater than the current year taking into account the current month.

When the user enters an invalid CVV

Then the system shows a message error: "Invalid CVV"

And the system makes sure that the CVV field only accepts numbers

And CVV field must have a value of 3 or 4 digits depending on the type of card

Scenario 2: Submission of a debit card

Given the user has entered the information about the debit card (Card Number, Expiration Date, CVV)

When the user selects the <Continue> button

Then the system validates and makes sure that the form with the debit card information is correct

And debit card is submitted

And the message "The card has been submitted successfully" will appear.

Feature: The user will confirm their withdrawal information.

Scenario: Complete the withdrawal process

Given the user has successfully submitted the debit card.

When the user selects the <Continue> button

Then the withdrawal information will appear

And the user makes sure that the withdrawal amount is correct

And the last digits of the debit card are correct

Given the withdrawal information is the right

When the user selects the <Withdraw> button

Then the money will be sent to the debit card submitted

And a message will be shown: "Withdraw Completed"

2. Docker

Tool Automation: Cypress

Dockerfile :

```
1  # Cypress image
2  FROM cypress/included:7.3.0
3
4  WORKDIR /katherin-nunez-qa-test
5
6  # copy Cypress tests
7  COPY . .
8
9  RUN npm install
10
11 CMD ["npm", "run", "cypress:run"]
```

Commands

- To build the Docker image, you can use:

`docker build -t <name container> .`

Example: `docker build -t automation-cypress .`

- To run the Docker container and enter inside the Docker container in interactive mode, you can use:

`docker run -it <name container> /bin/bash`

Example: `docker run -it automation-cypress /bin/bash`