QE TRAININGS - TDC

Test Cases

AGENDA

- Icebreaker
- Definition
- Objectives
- Components of a Test Case
- Designing Test Cases from User Stories
- Final Considerations
- Activity

Icebreaker

Icebreaker

Video:

https://www.youtube.com/watch?v=P-pdcgZglHs

Definition

Definition 1: A test case is a **group of conditions** or variables under which we can determine if a **system requirement** has been partially or completely **covered**.

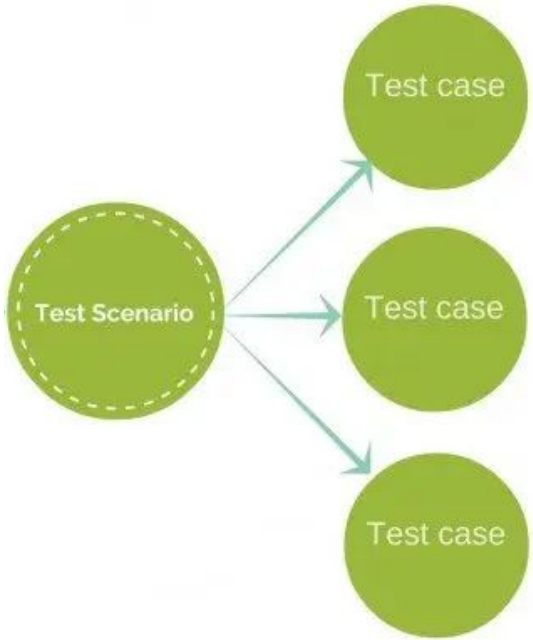
Definition 2: A test case is a **set of actions** executed **to verify a particular feature** or functionality of your software application..

It predicts the **expected result** after having executed a **series of steps** starting from an **initial known state**.

Objectives

- Identify and enumerate the conditions to validate.
- Describe the combinations of data that need to be validated.
- Specify the control points.
- Define the process of evaluation of the results with respect to:
  - The goal of the test (PASS/FAIL).
  - The final state of the system (post-conditions).
- Define the creation process of a known environment which will allow the system to be exercised (pre-conditions).

Scenarios



- A test scenario is defined as any functionality that can be tested. It is a collective set of test cases which helps the testing team to determine the positive and negative characteristics of the project.
- A test scenario gives a high-level idea of what we need to test.

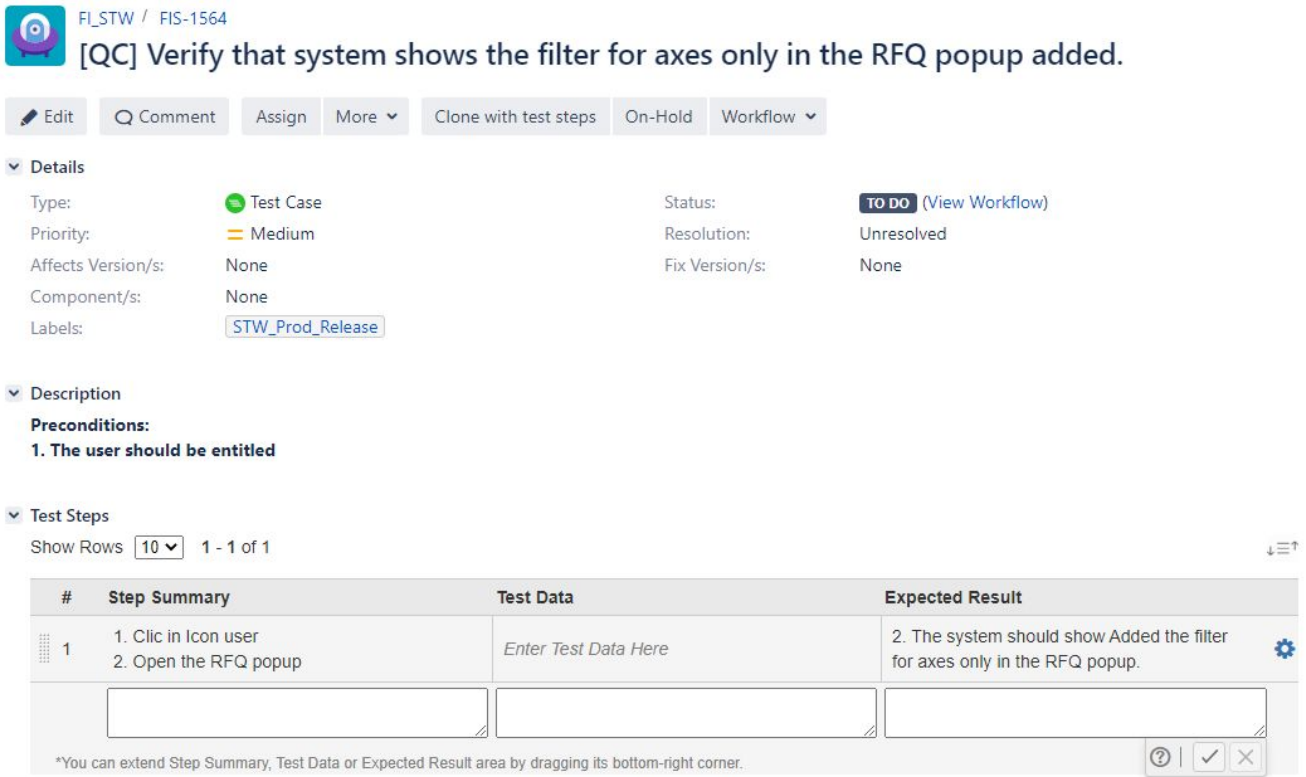
Test Scenario: Check Login Functionality

- **Test Case 1**: Check results on entering **valid** User Id & Password.
- **Test Case 2**: Check results on entering **Invalid** User ID & Password.
- **Test Case 3**: Check response when a User ID is **Empty** & Login Button is pressed.

Components

- **Test Case ID:** A code to identify each test case in a suite.
- **Description:** A brief description of the test case's goal.
- **Pre-Conditions:** Description of the state of the system prior to executing the test.
- **Test Inputs:** lists the input data to use during the execution.
- **Steps and Observations:** each specific action to perform on the system.
- **Expected Results:** The result after the test has been executed.

What does a TC look like ?



FI_STW / FIS-1564

[QC] Verify that system shows the filter for axes only in the RFQ popup added.

Edit | Comment | Assign | More | Clone with test steps | On-Hold | Workflow

Details

Type:	Test Case	Status:	TO DO (View Workflow)
Priority:	Medium	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	None		
Labels:	STW_Prod_Release		

Description

Preconditions:
1. The user should be entitled

Test Steps

Show Rows 10 1 - 1 of 1

#	Step Summary	Test Data	Expected Result
1	1. Clic in Icon user 2. Open the RFQ popup	*Enter Test Data Here*	2. The system should show Added the filter for axes only in the RFQ popup.

*You can extend Step Summary, Test Data or Expected Result area by dragging its bottom-right corner.

Globant

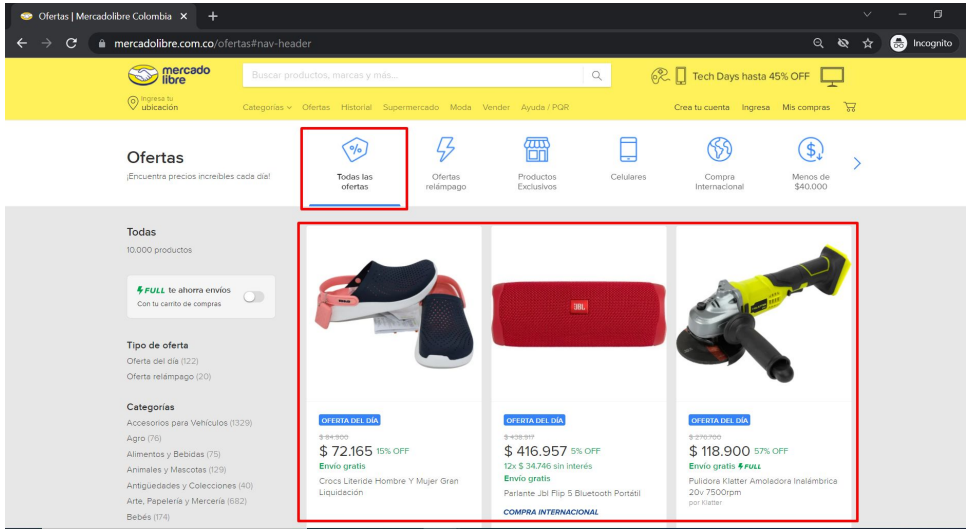
Designing a **Test Case** from **User Story**

USER STORY:

As a new user in MercadoLibre I want to review the offers that are shown on the website and I want to buy one of them.

Acceptance Criteria:

- The user could see all the offers that appear on the website when the user clicks on “Ofertas” link.
- The card should have a picture of the product, the “Oferta del dia” label, the normal price crossed out, the offer price, the percentage of the discount and a short description of the product.



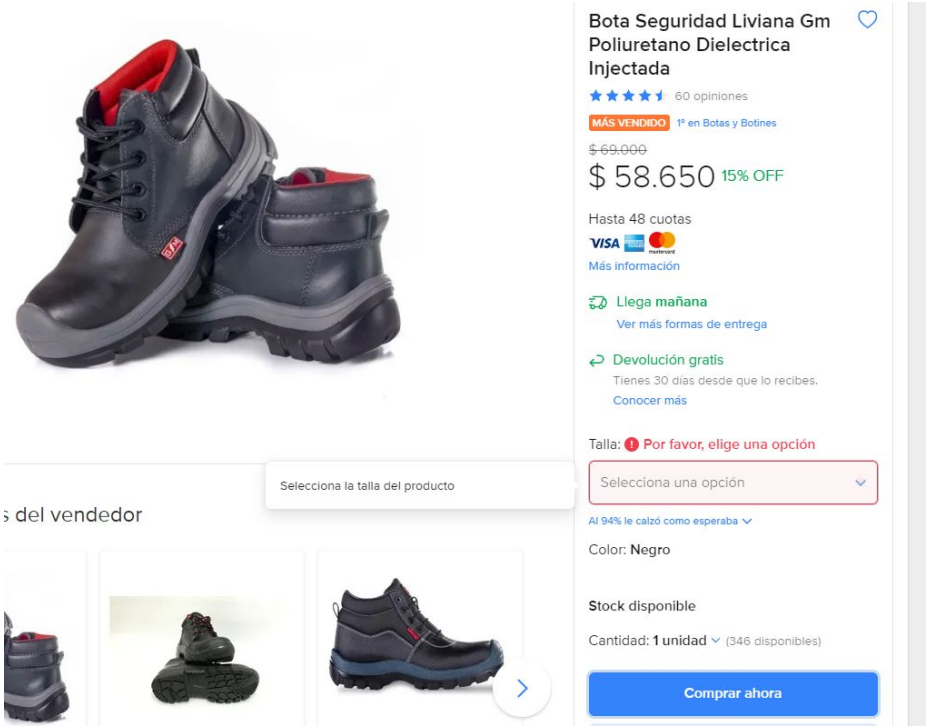
Example Positive Test Case							
User Story: As a new user in MercadoLibre I want to review the offers that are shown on the website and I want to buy one of them.							
Test Case Name: Verify that the system displays the offers that appear on "Ofertas" section.							
ID	**Description**	**Pre-conditions**	**Test Inputs**	**Steps**	**Expected Result**	**Status**	**Obv**
1	When a new user clicks on Ofertas the system displays the offers	* The Offers button is enable. * Connection an Internet is able. * The new user has a valid credentials. * The database has offers to display. * The user is logged in (TC: 022).		Go to Mercadolibre page (https://www.mercadolibre.com.co/)	Verify that the system displays the Mercadolibre page		
				Click on Ofertas link	Verify that the system displays the offers.		

Designing a **Negative Test Case** from **User Story**

USER STORY:
As a user in mercadolibre, in the product page, I want to choose size and/or color so that I can buy the product.

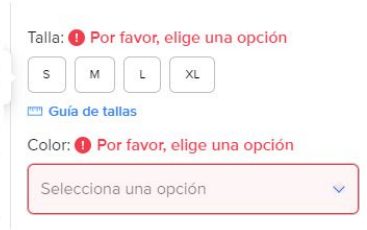
Acceptance Criteria 1:
Give a user is on product page for Clothes or Shoes
When user selects size and/or color
And clicks on "Comprar ahora" button
Then application shows the login page

Acceptance Criteria 2:
Given a user is on product page for Clothes or Shoes
When click on "Comprar ahora" button
But don't choose size and/or color
Then application must show the message "Por favor, elige una opción" as shown in mockup image



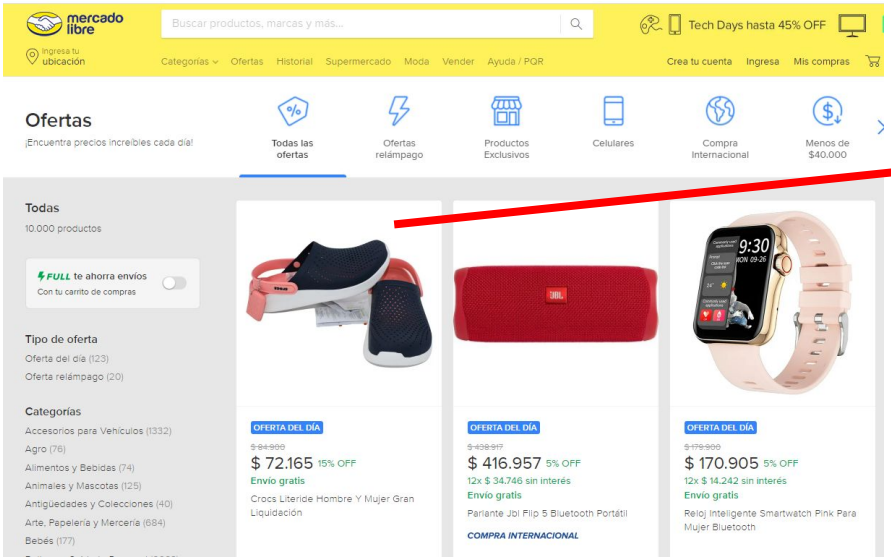
Globant

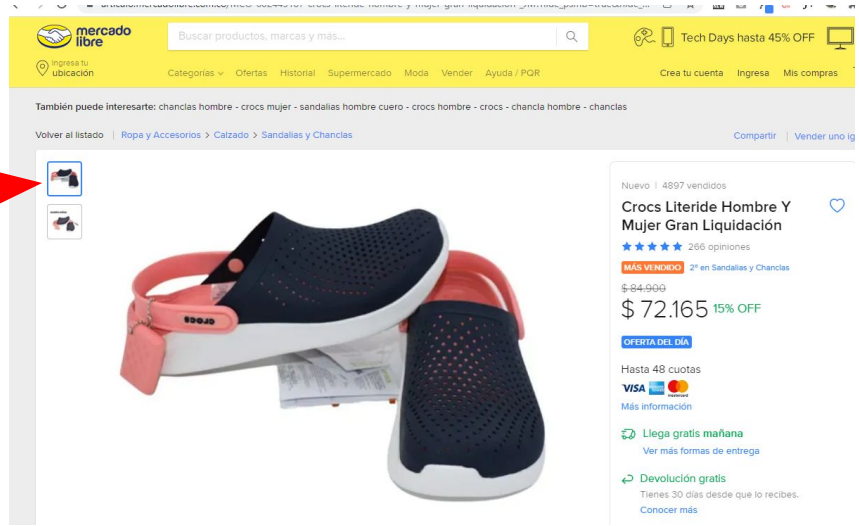
Example Negative Test Case							
User Story: As a user in mercadolibre, in the product page, I want to choose size and/or color so that I can buy the product.							
Test Case Name: Verify size and/or color error message on product page							
ID	Description	Pre-conditions	Test Inputs	Steps	Expected Result	Status	Obv
001	Verify system error message after the user click buy product and did not select color or size	User must be login. At least one product must be in application for Clothes or Shoes. Product must have at least two sizes and at least two colors. User must be in Product web page.		1. Do not complete any size and color and Click on "Comprar ahora"	Verify that alert message appears next to fields "Talla" and "Color". Alert message must be "Por favor, elige una opción"		



Example – Mockups

- Mockups are additional information that sometimes is provided in US.
- Mockups allow testers to visualize system's user interface and help them to be able to start designing test cases.
- Mockups do not guarantee test cases won't need to be added, edited or deleted later on.





Globant

Final Considerations 1/2

- Often other types of logic must be covered by test cases other than that included in functional documentation. For example the following for a web application:
  - Page not found errors.
  - Security Problems.
  - Browser dependent functionality.
  - Timeouts.
  - Refresh, Back and Forward browser buttons use.
  - Cookies.
- Assume that another person will be executing your test cases.

Final Considerations 2/2

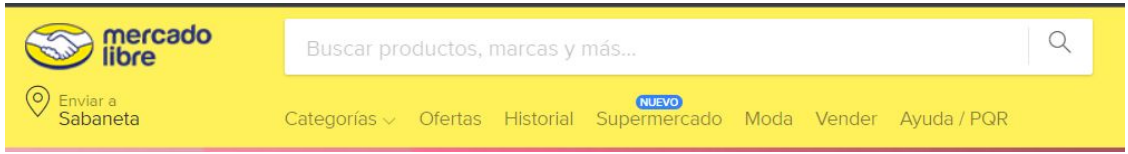
- Test cases should be short and easy to follow.
- Every click must be documented.
- Don't leave anything to chance.
- Use bullets to distinguish tasks or steps.
- Use correct names to reference menus, screens, options, buttons etc.
- Follow the same criteria for all your test cases.
- Make certain texts, like buttons, links or screen names, stand out by using capital letters, bold or underlined text.

Activity

- Go to the link https://drive.google.com/drive/folders/1Z82_VZpI0e29CGFO-8IJEdNWFSWmuB7l
- Find your name and open the file
- Create the positive and negative test cases for the following user stories

Activity

USER STORY 1:
As an user in Mercado libre I want to search a product



Acceptance Criteria 1:
Given a user is logged in MercadoLibre Colombia
When the user focus on “Buscar productos, marcas y más” field
And the user types any product and clicks on magnifying glass button
Then the application shows the products related with the information typed

Acceptance Criteria 2:
Given a user is logged in MercadoLibre Colombia
When the user focus on “Buscar productos, marcas y más” field
And no type any product
And the user clicks on magnifying glass button
Then the application shows the message “No hay publicaciones que coincidan con tu búsqueda.”

Activity

Acceptance Criteria 3:
Given a user is logged in MercadoLibre Colombia
When the user Clicks on “Categorias” field
Then the application shows the list of categories

Acceptance Criteria 4:
Given a user is logged in MercadoLibre Colombia
When the user Clicks on “Ofertas” field
Then the application shows a new page with the offers of the day

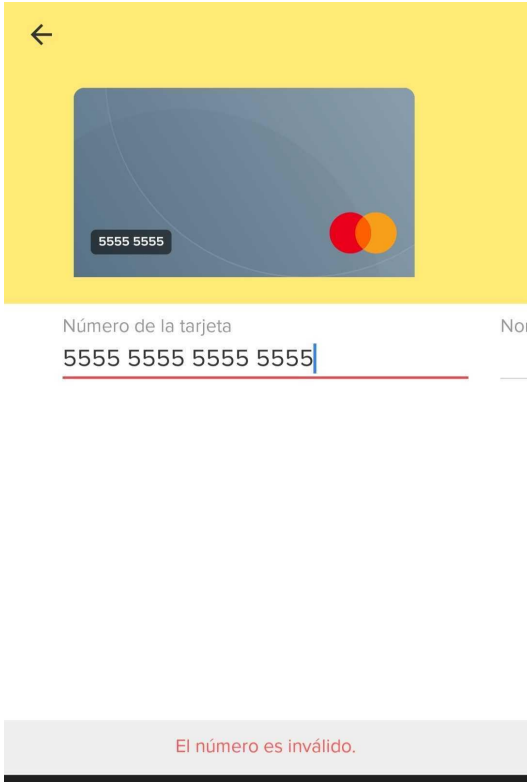
Acceptance Criteria 5:
Given a user is logged in MercadoLibre Colombia
When the user Clicks on “Historial” field
And the user doesn’t make any search before

Activity

USER STORY 2:
As a new MercadoLibre user, I want to see a validation message when trying to pay with an invalid credit card in the mobile app

Acceptance Criteria 1:
Given a user on the payment section
When the user puts a wrong credit number
And the user clicks “Continuar button”
Then the application shows a message on red

Acceptance Criteria 2:
Given a user on the payment section
when the user does not enter the card number
And the user clicks “Continuar button”
Then the application shows a message on red

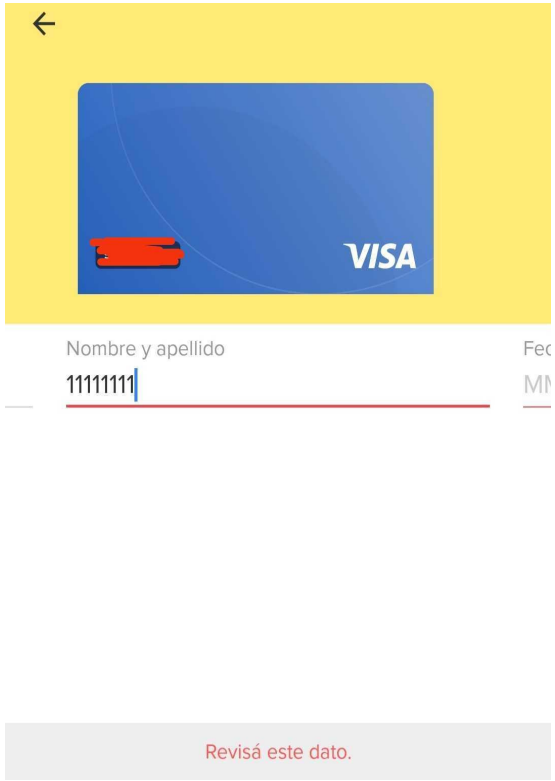


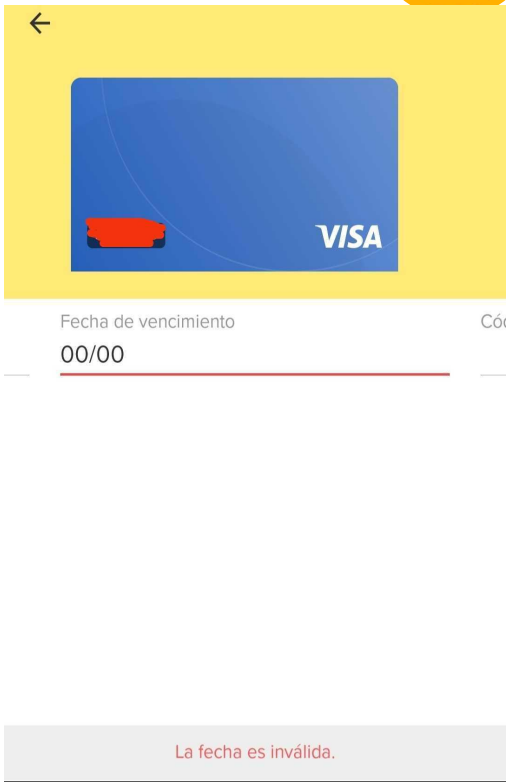
Activity

USER STORY 2:
As a new MercadoLibre user, I want to see a validation message when trying to pay with an invalid credit card in the mobile app

Acceptance Criteria 3:
Given a user on the payment section
When the user does not enter a valid name
Then the application shows a message on red

Acceptance Criteria 4:
Given a user on the payment section
When the user does not enter a valid date
And the user clicks "Continuar button"
Then the application shows a message on red





Thank You!